Berthoud, F
Essai sur l'horlogerie
plates only. 1763 or 1786?
Presumed to be 1763
Seems to match 13489/B

1

Traité
des
Horloges Marines,
contenant
la théorie, la contruction,
la main-d'œuvre de ces machines
et la manière de les éprouver,
pour parvenir, par leur moyen, a la rectification des cartes marines
et a la détermination des longitudes en mer;
Avec Figures en Taille-douce.
Dédié a Sa Majesté, & publié par ses ordres
Par M. Ferdinand Berthoud, Horloger Méchanicien du Roi & de la Marine, ayant l'inspection de la construction des Horloges Marines
Membre de la société Royale de Londres.

A Paris
chez J. B. G. Musier fils Libraire, Quai des Augustins, à S. Etienne

M.DCC.LXXIII

A: Marguerat Guide des Horlogers

83584

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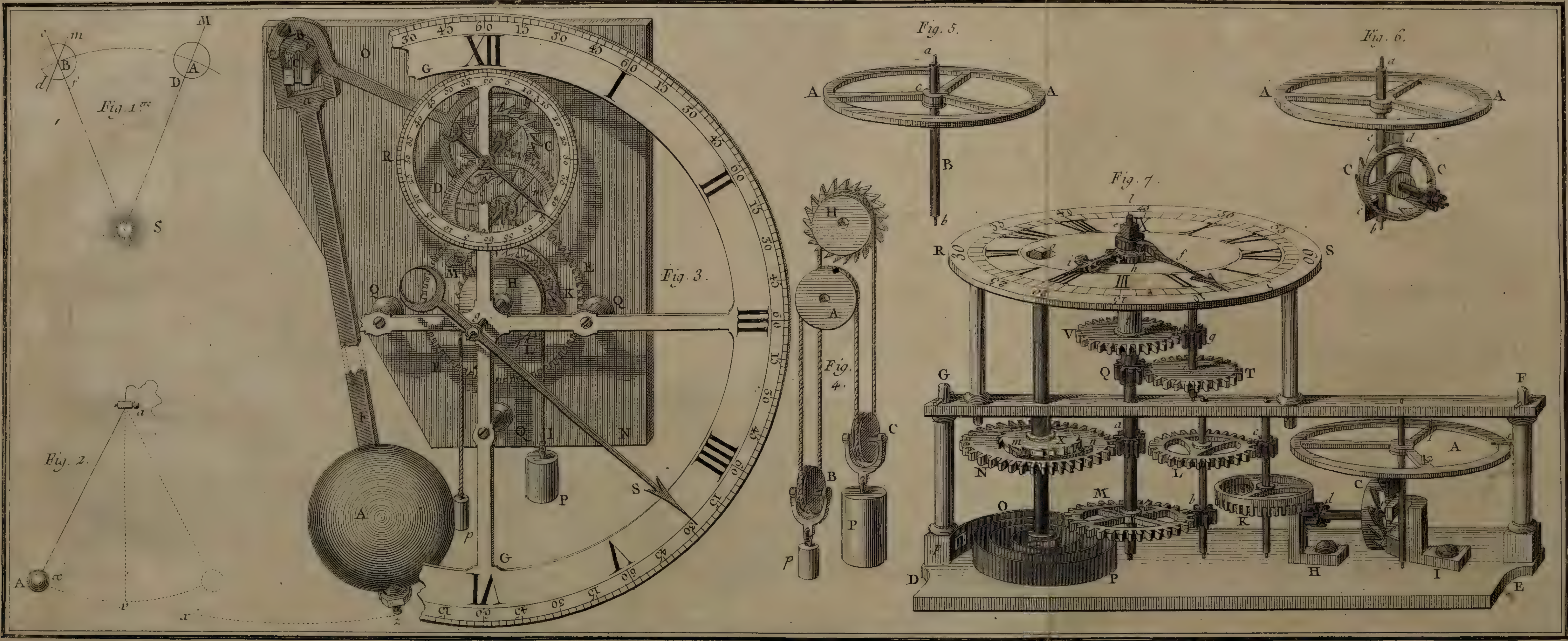
Pendule, et Montre simple.

Planche Ire.



Goubier del.

P. Choffard Sculp.

Pendule a Secondes et Sonnerie

Planche II.

Fig. 1.

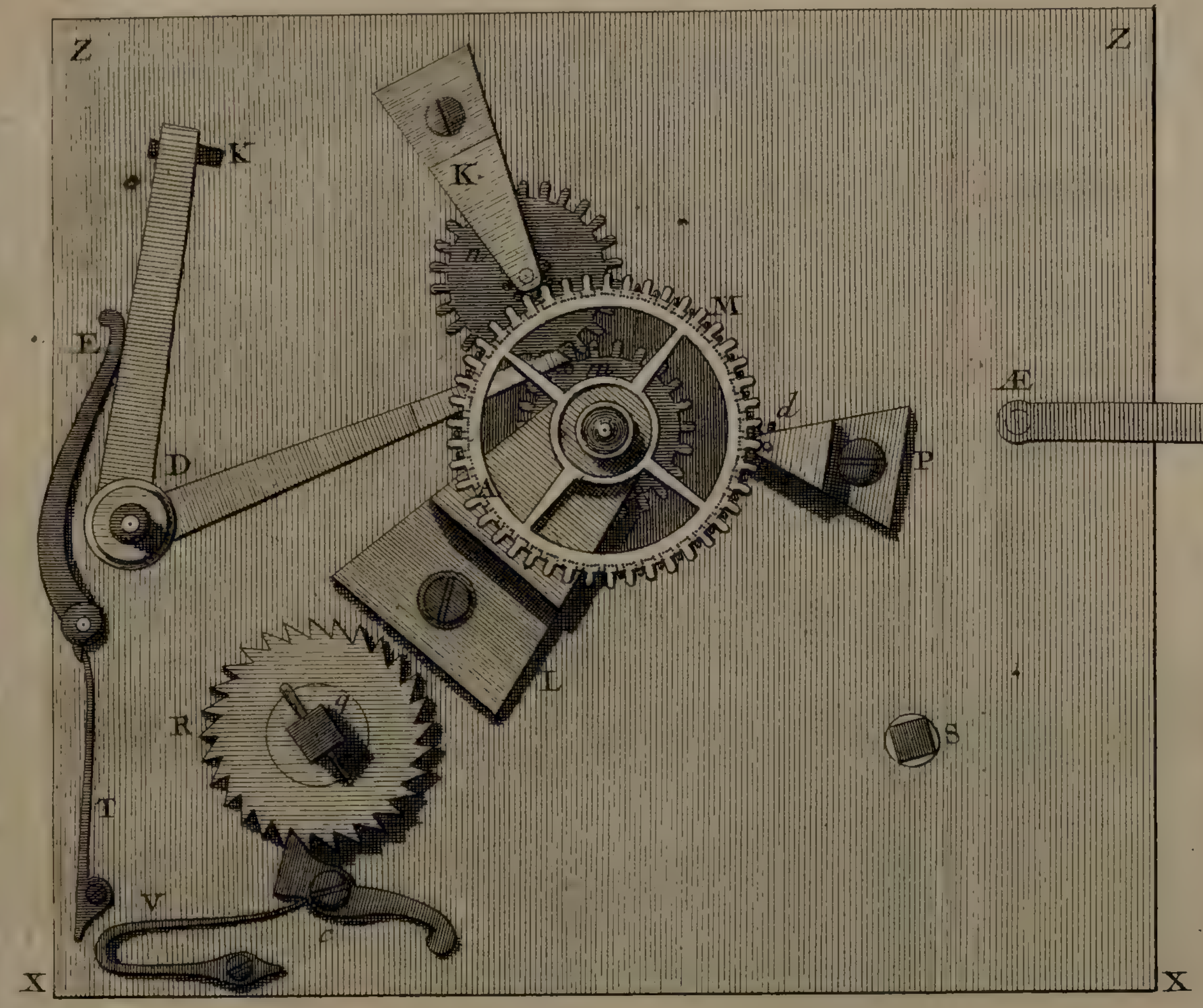
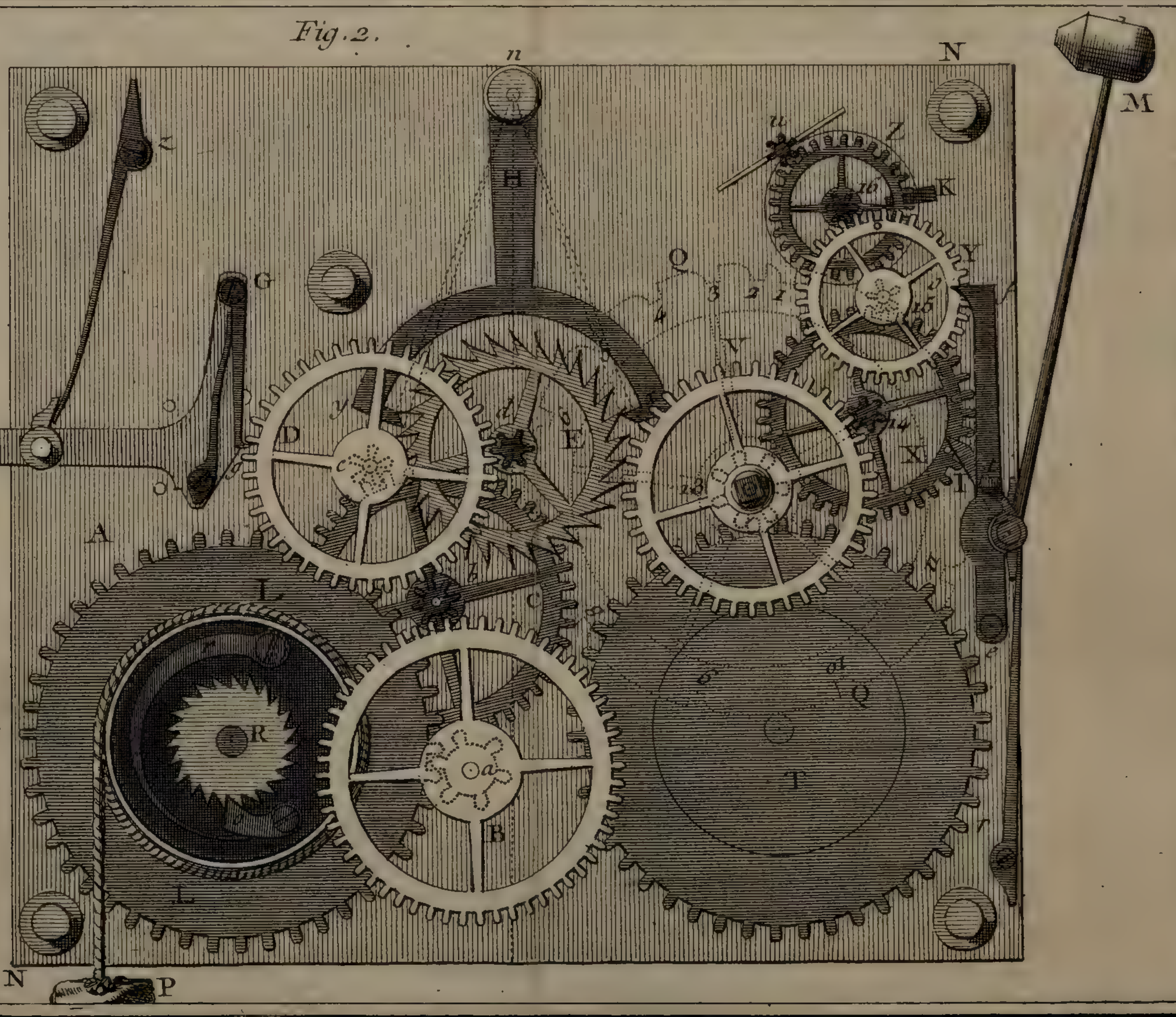


Fig. 2.

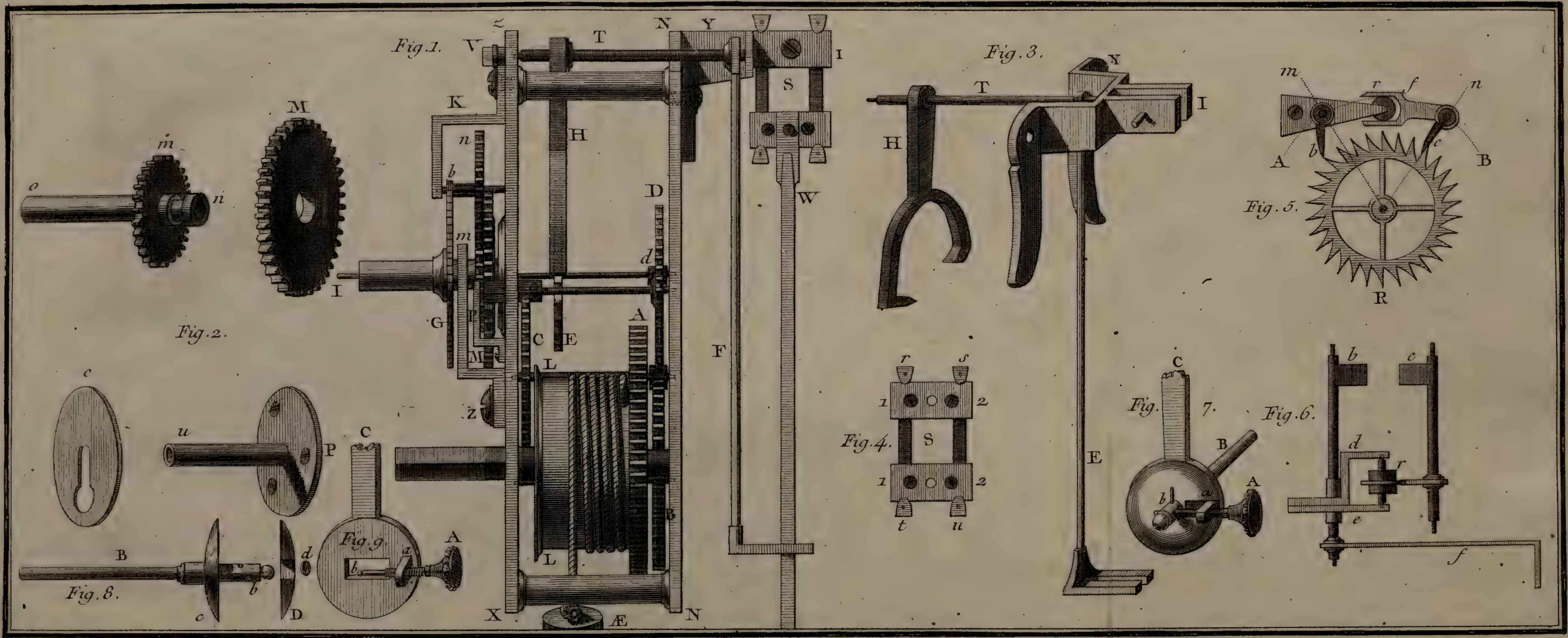


Goussier del.

P.P. Choffard fecit.

Profil de la Pendule à Secondes

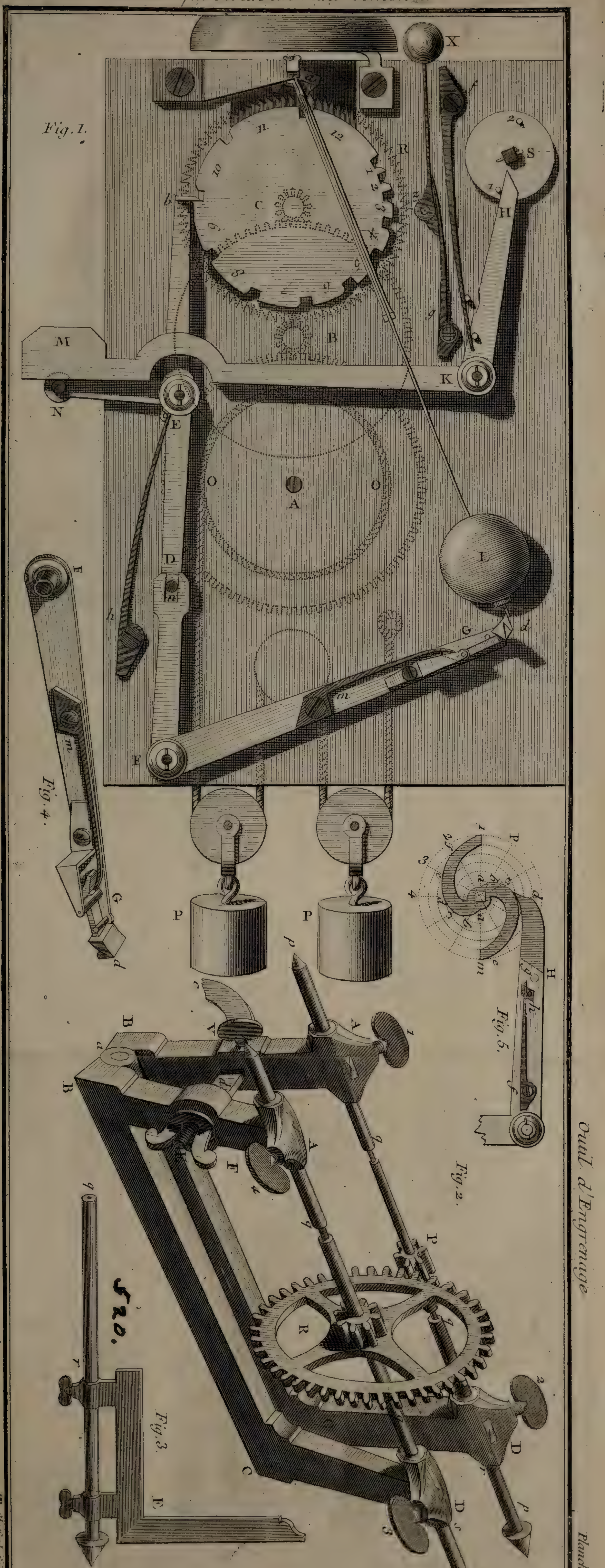
Planche III.



Goussier del.

P.P. Choffard fecit

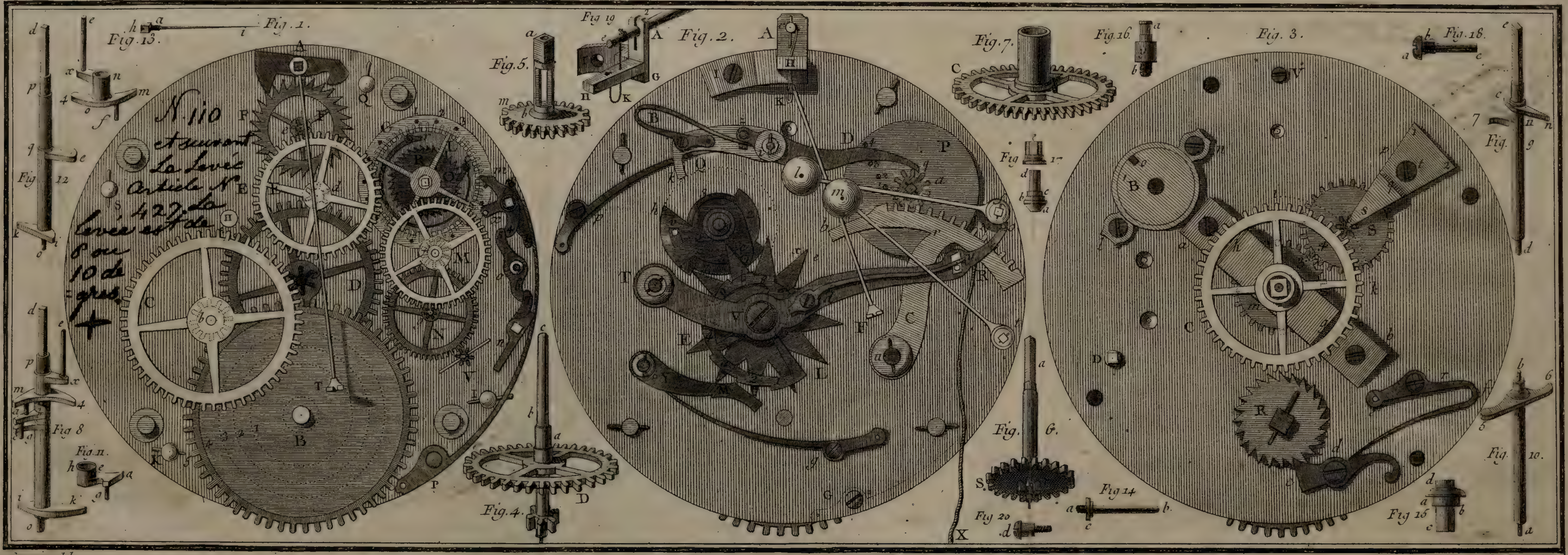
Sonnerie qui va un an sans remonter



Goussier del.

H. Choffard fecit.

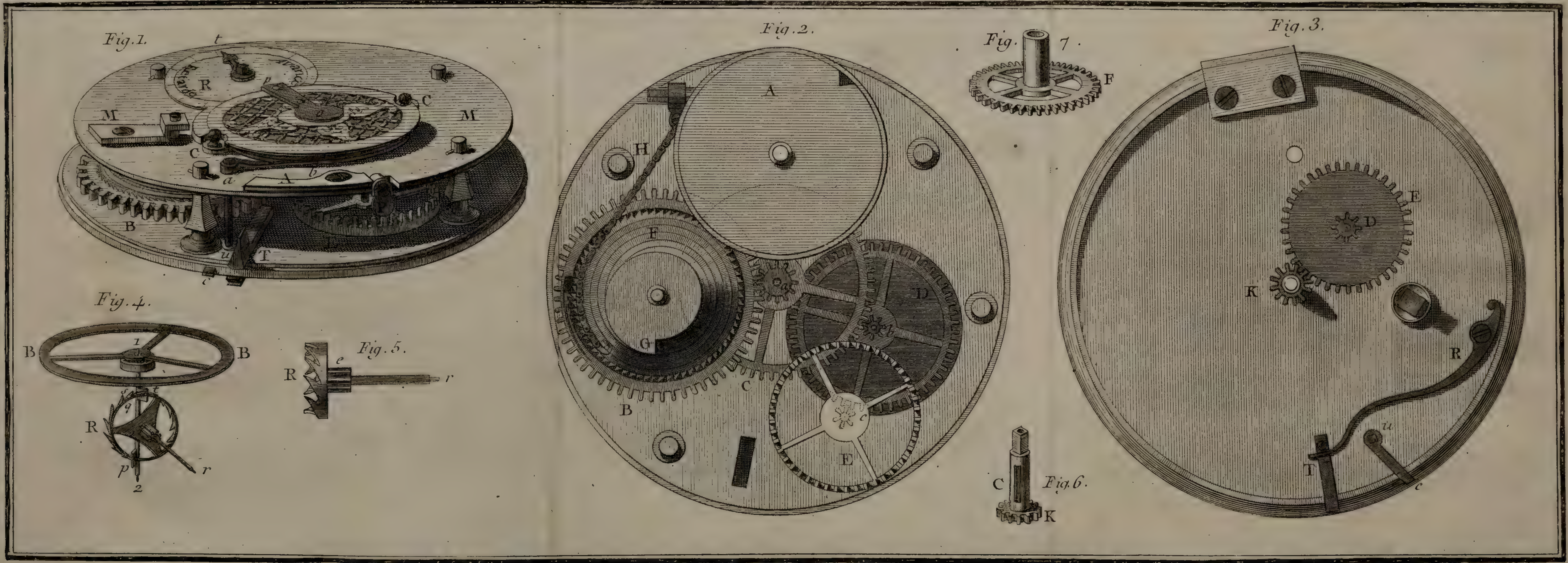
Pendule à Répétition



Goussier del. · P.P. Choffard fecit.

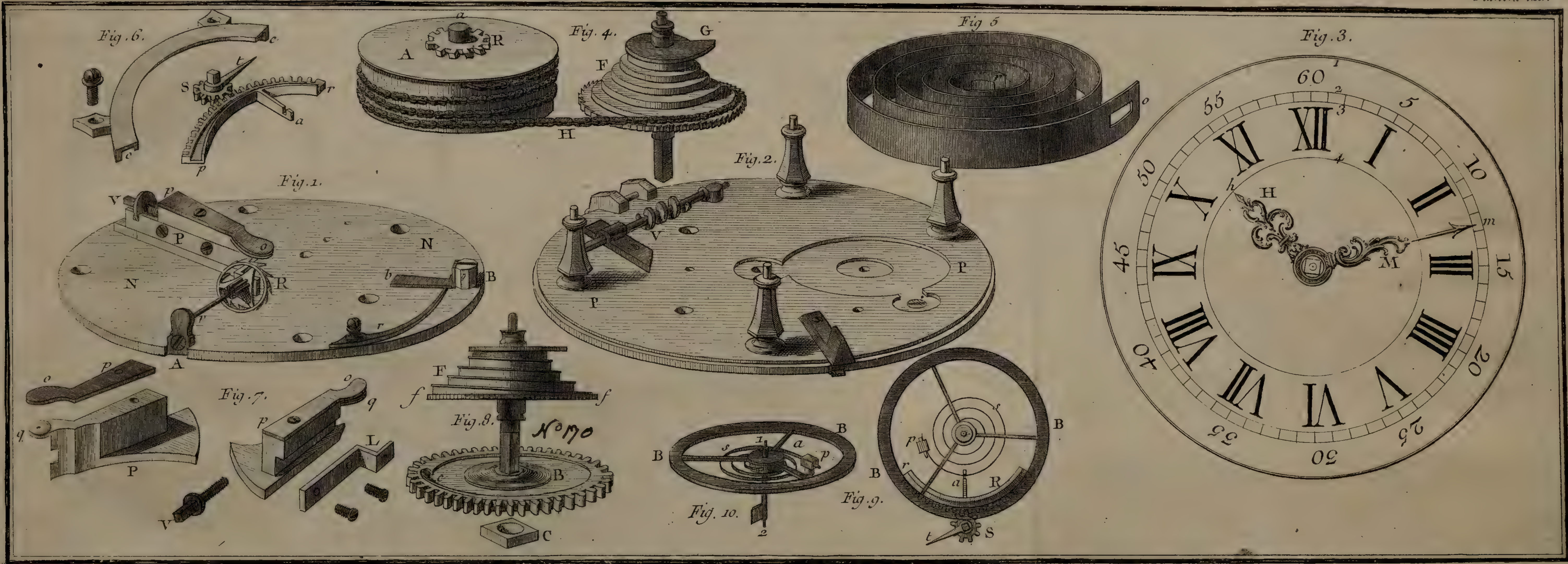
+ Ou un degré et demi d'un cercle divisé en 60 parties.

Plan d'une Montre a Roue de Rencontre . Planche VI .



Goussier del. PP. Choffard fecit.

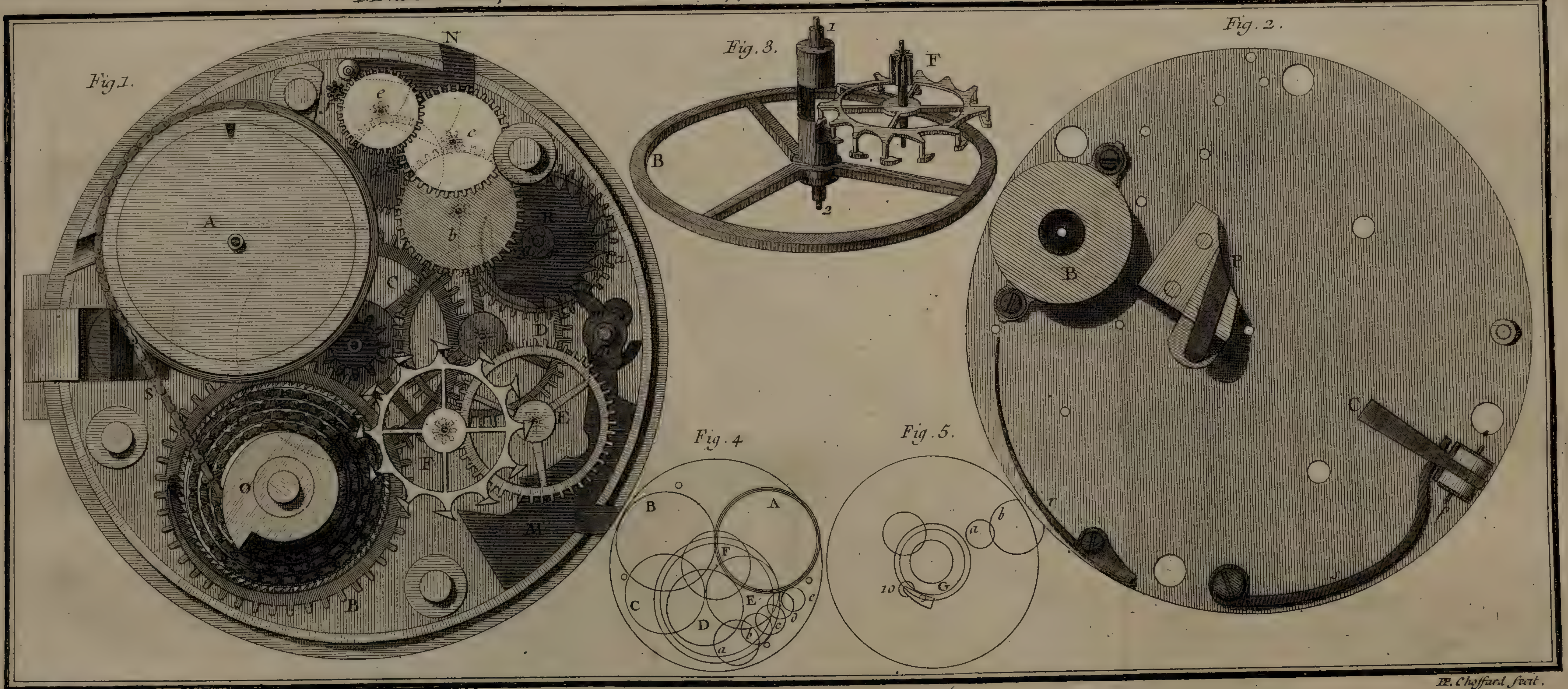
Développement de la montre à Roue de rencontre. Planche VII.



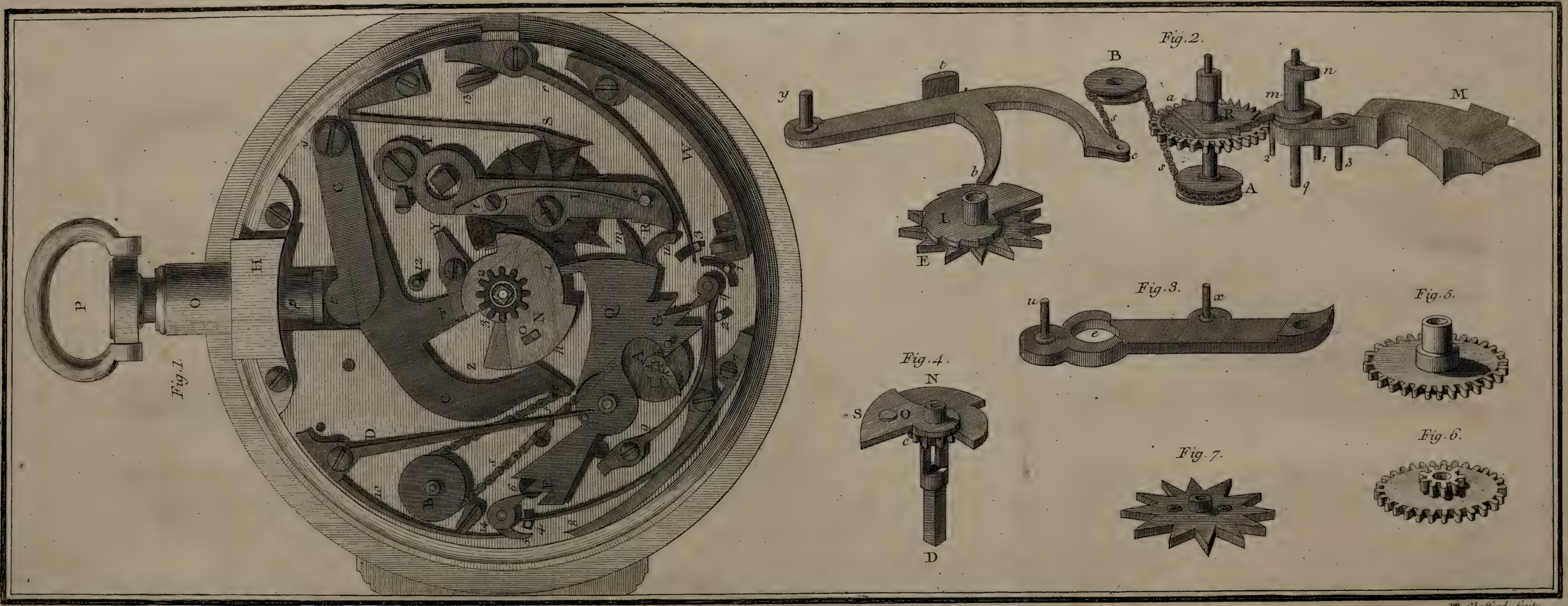
Goussier del. PP. Choffard fecit.

Montre à Répétition Echappement à Cylindre

Planche VIII.



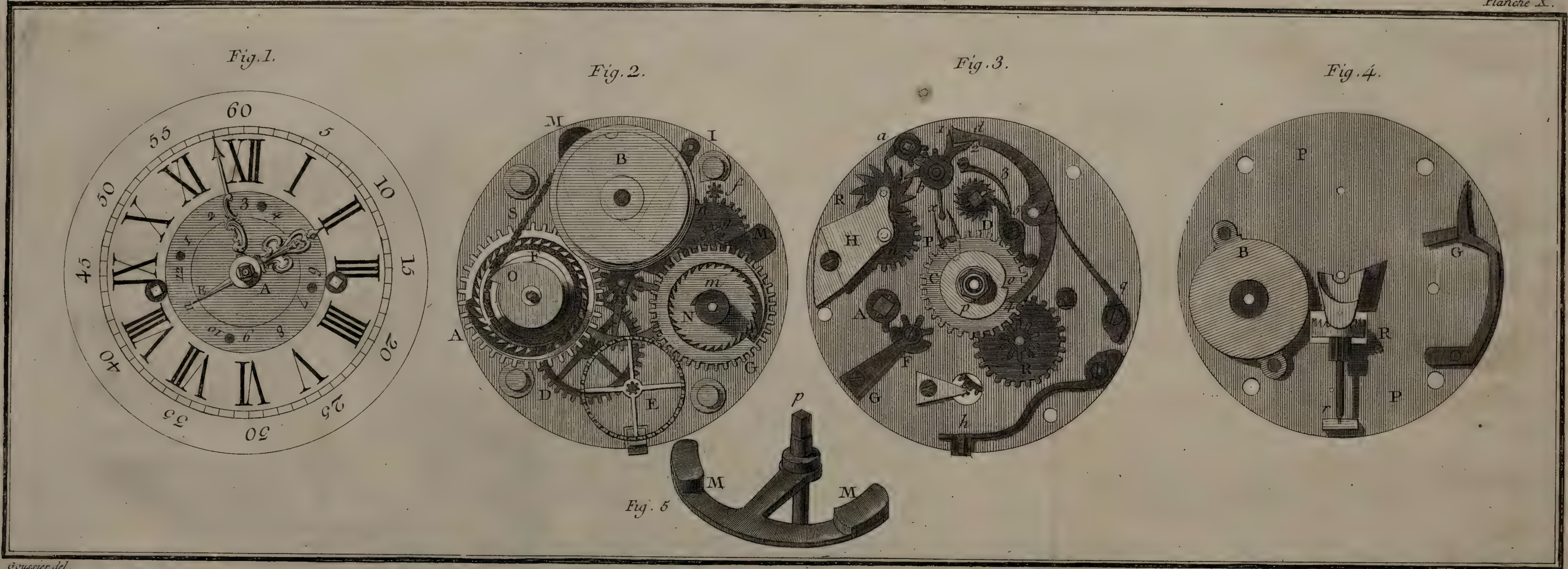
Goussier del. P. Choffard fecit.



Goussier del.   J.P. Choffard fecit.

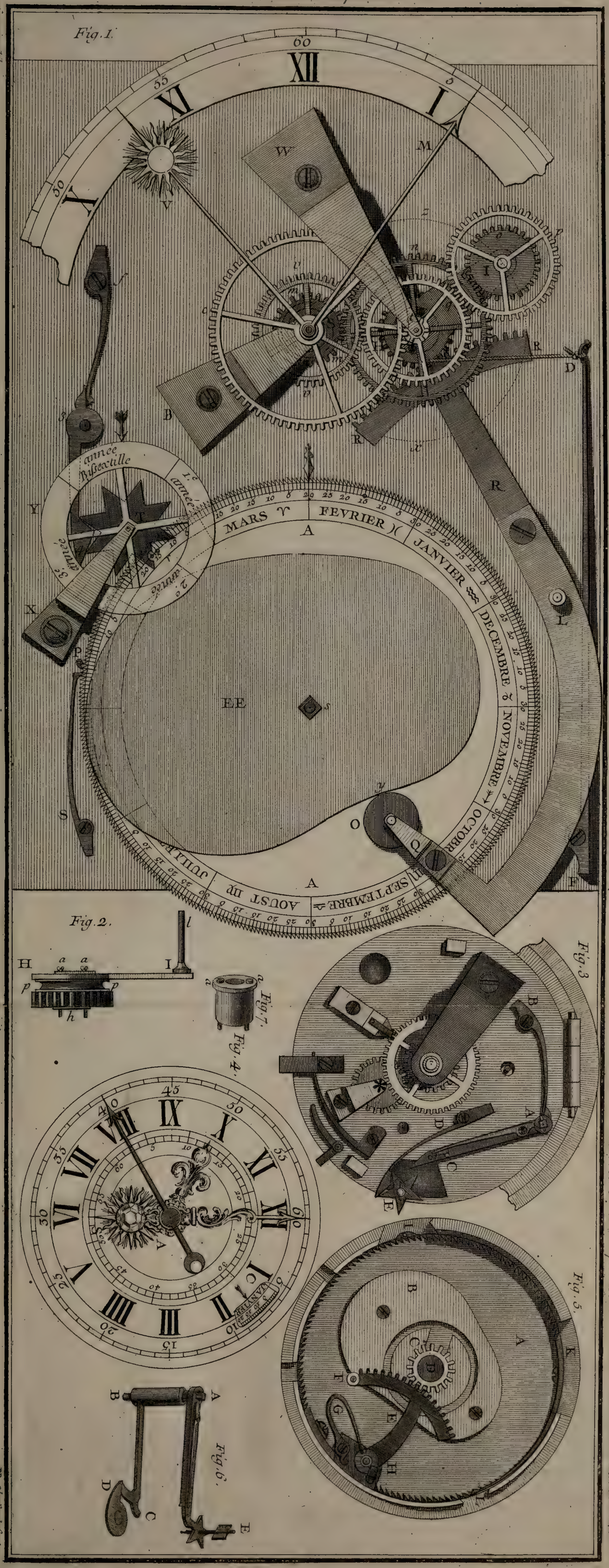
Montre à Réveil

Planche X.



Goussier del.

P.P. Choffard fecit.

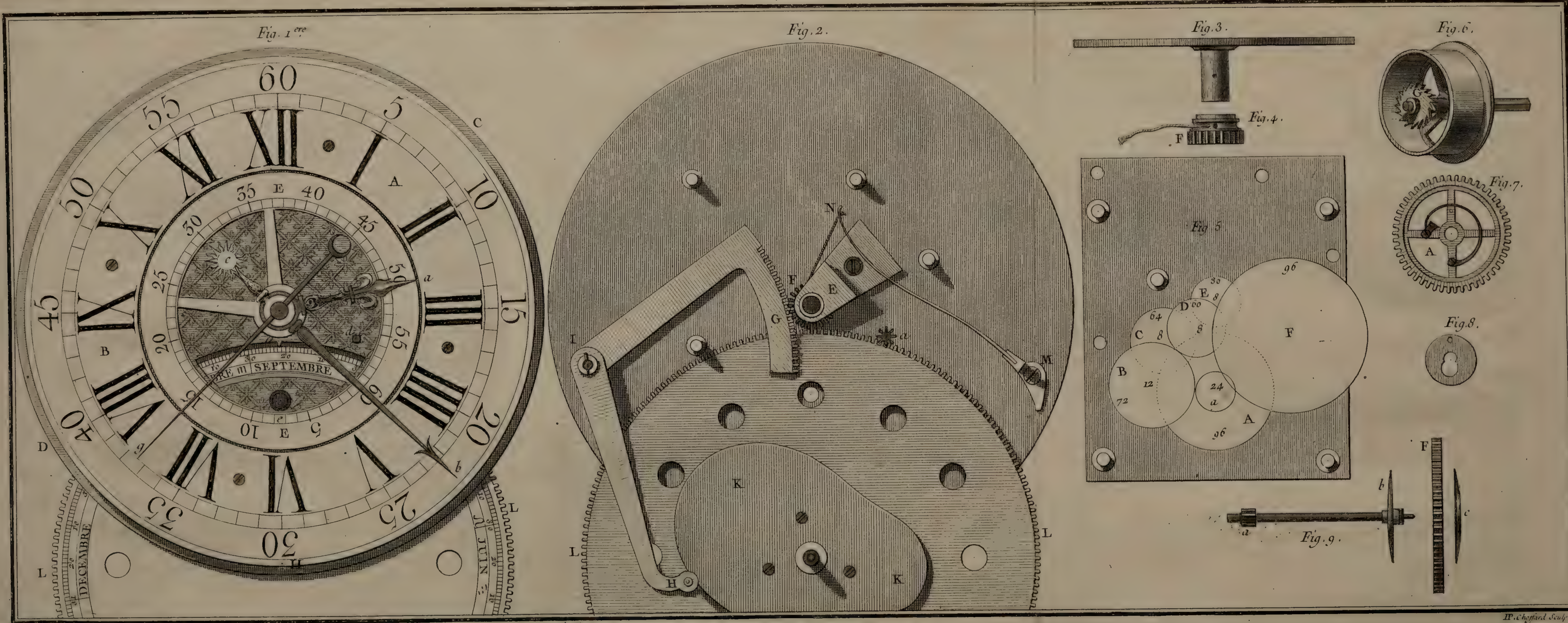


Montre à Equation

Planche XI.

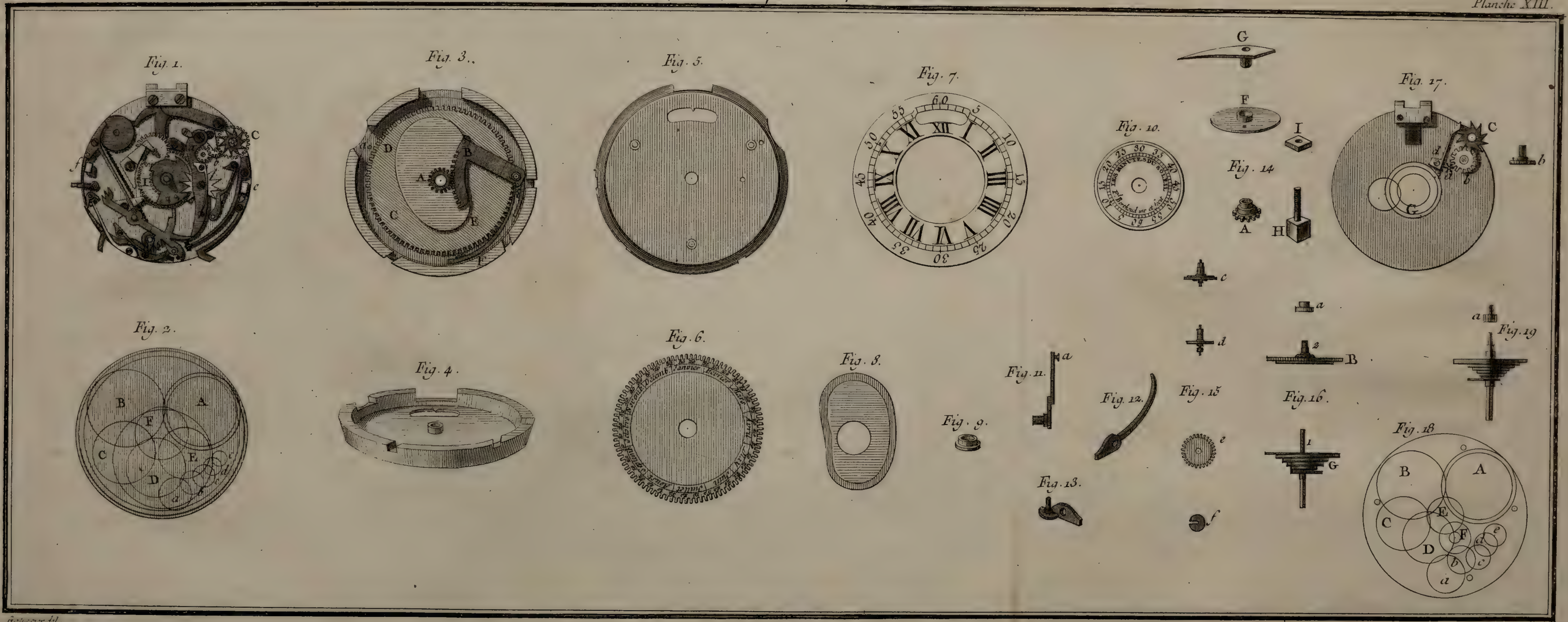
Goussier del.

Bt. Chopard fecit

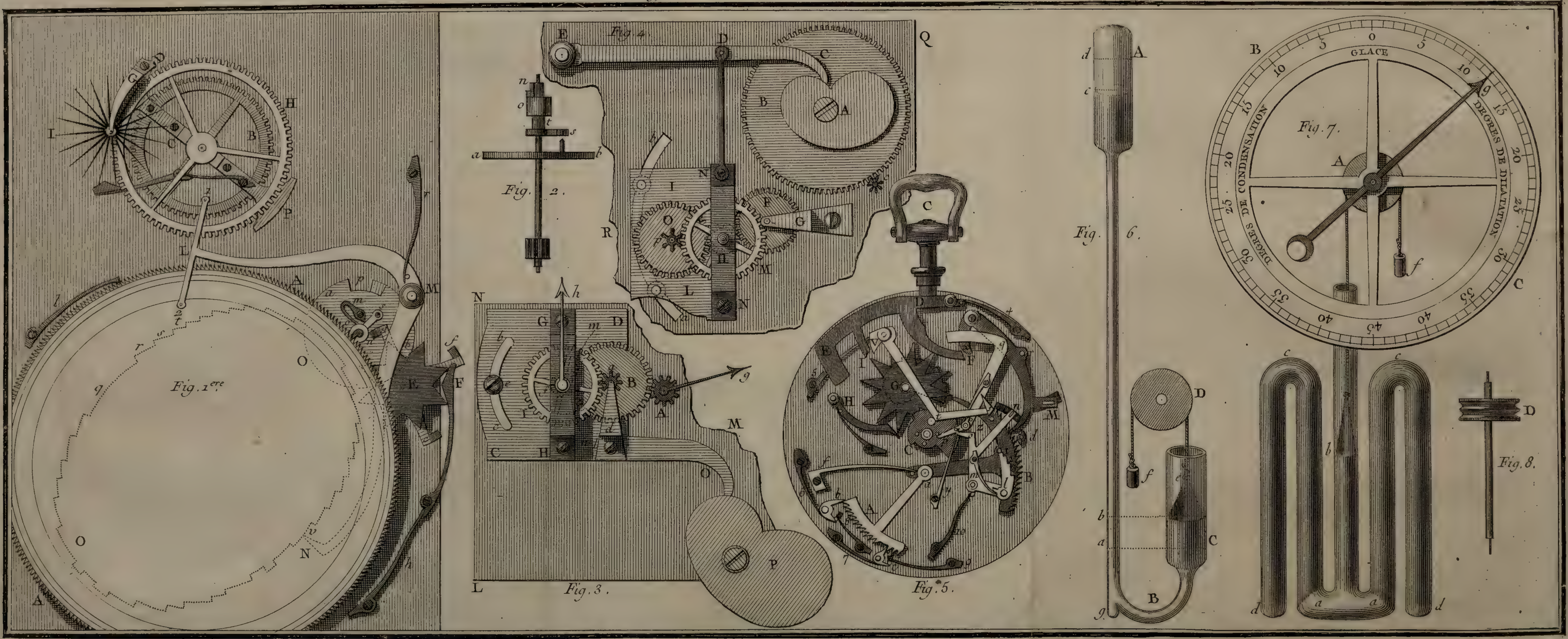


Goussier del. | P. Choffard Sculp.

Montre a Equation, Répétition et Secondes. Planche XIII.

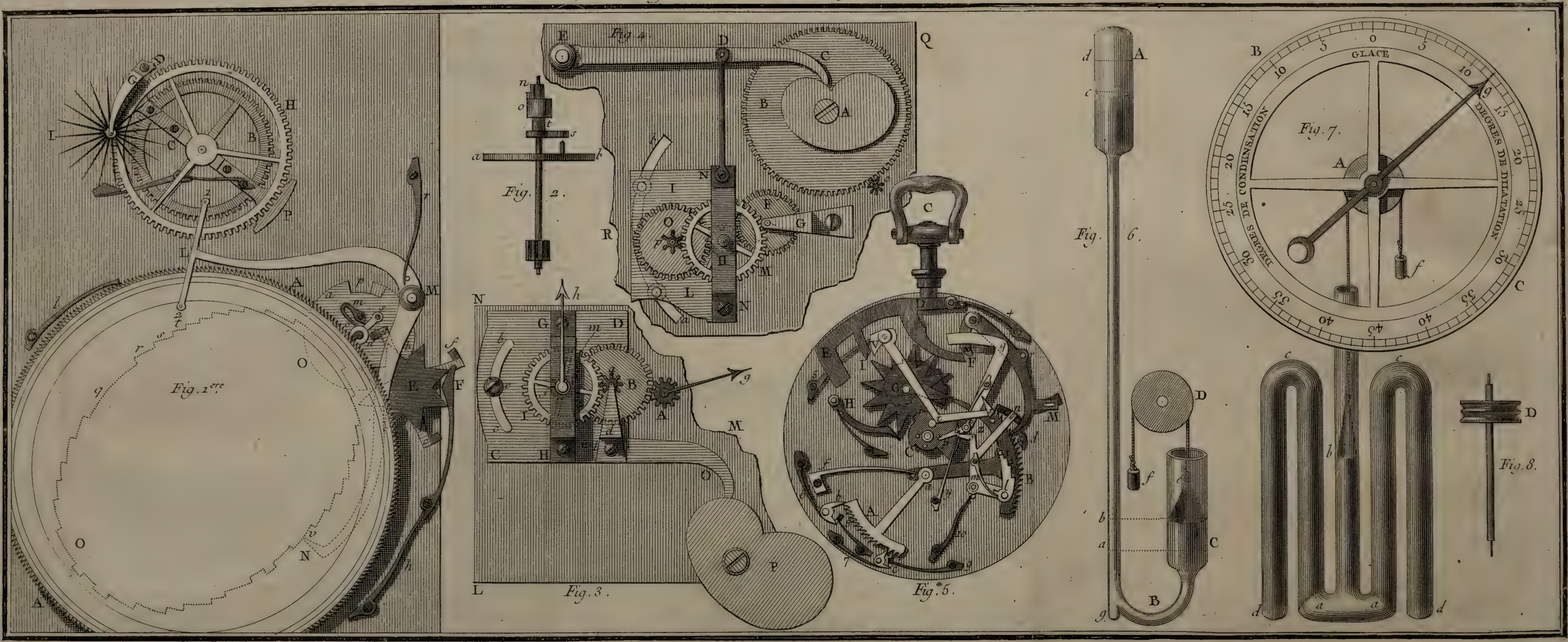


Gottwer del. P. Choffard Sculp.

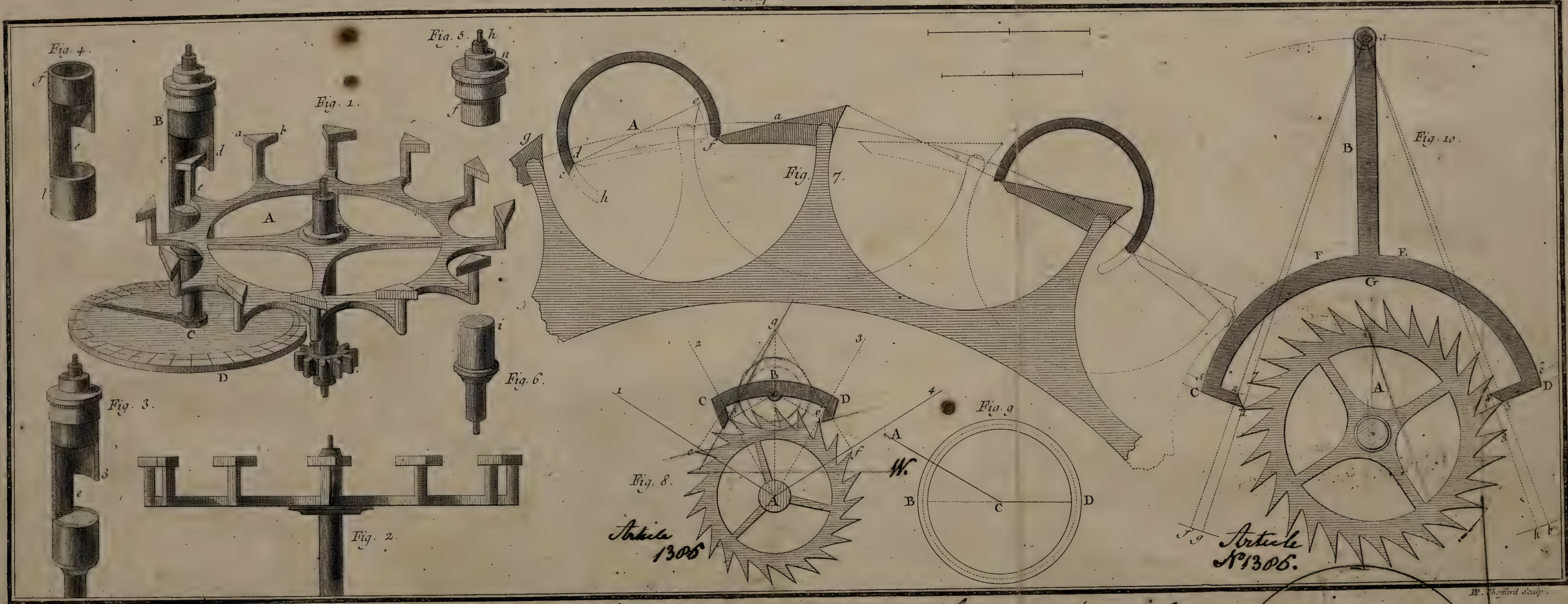


Goussier del.

PP. Choffard Sculp.



Goussier del.
PP. Choffard Sculp.



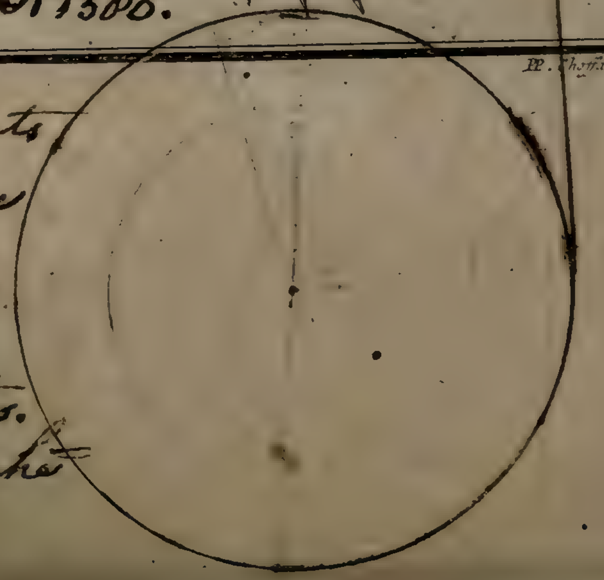
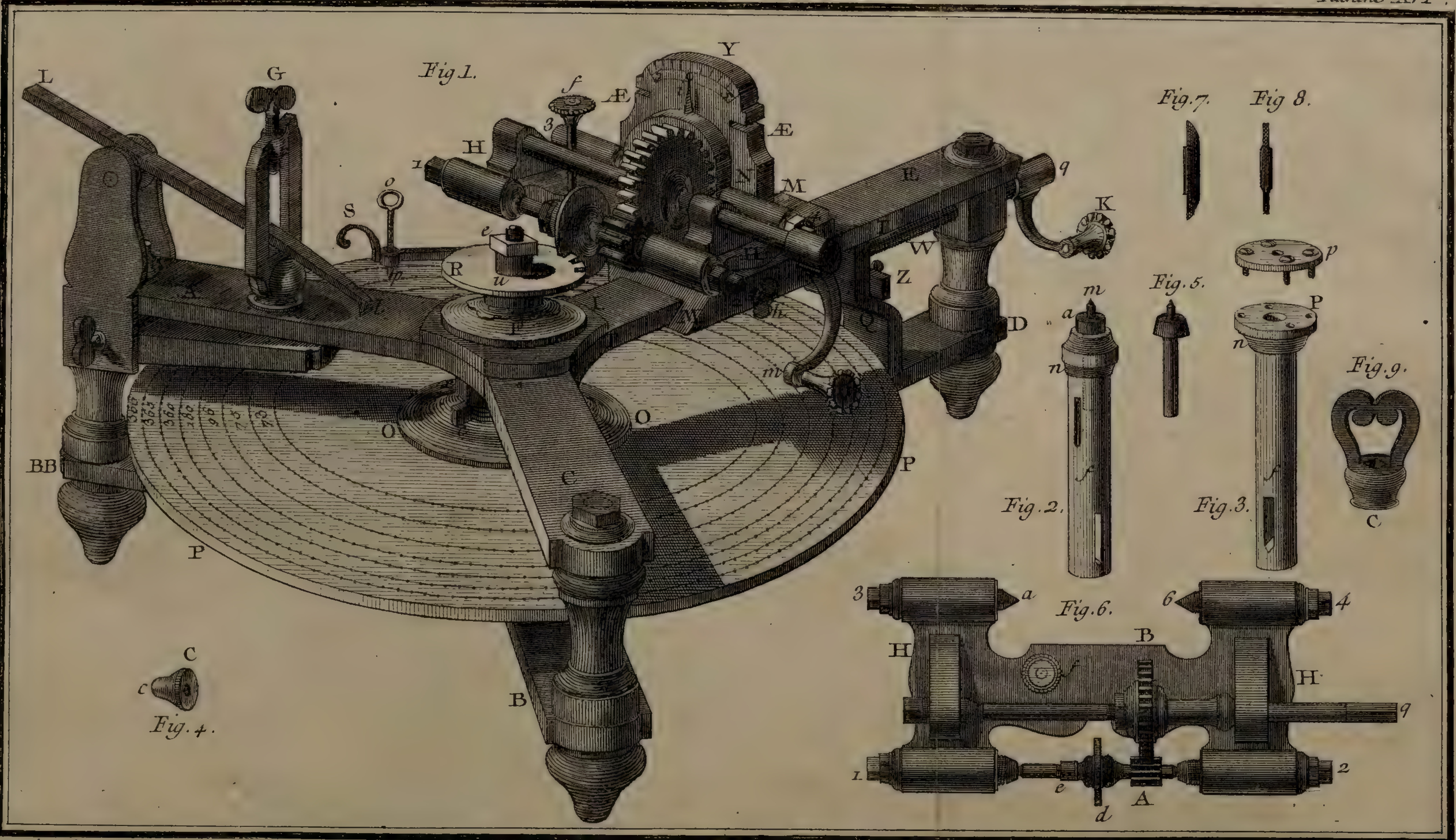


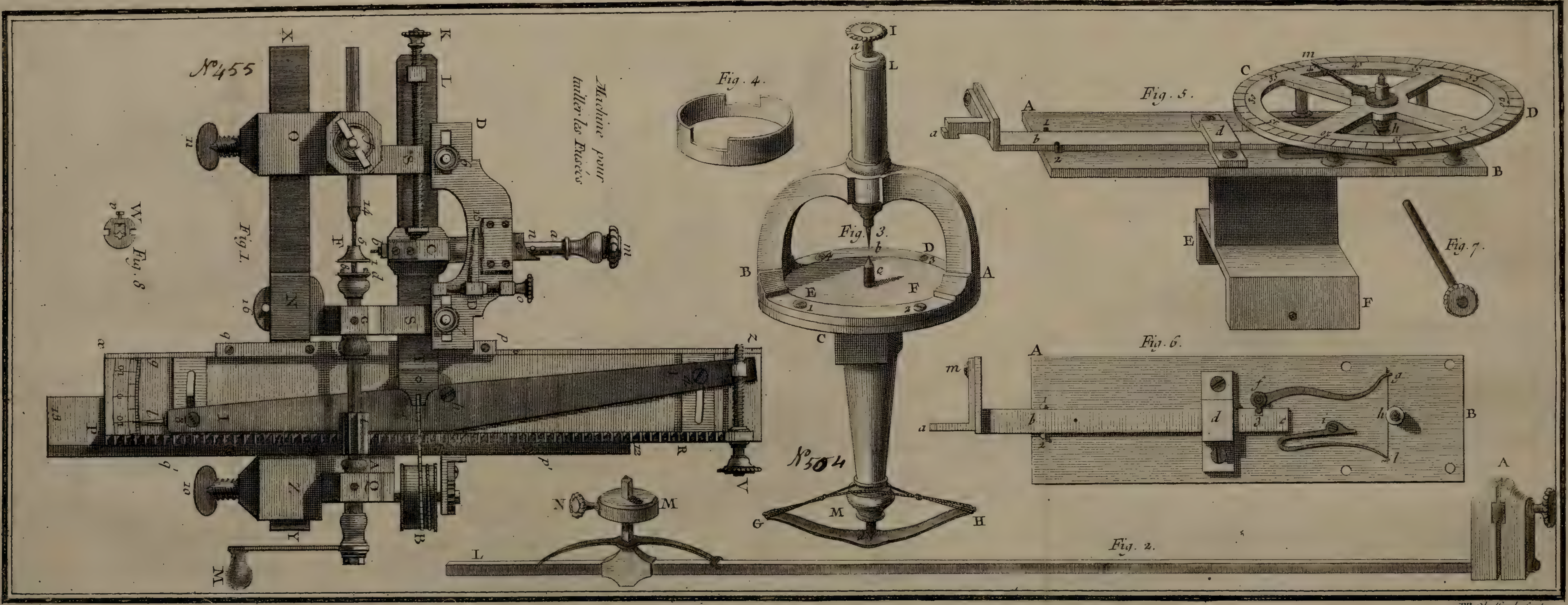
Fig. 8. La ligne W. fait voir la quantité que les dents sont inclinées (Ou ~~ont~~ rochetées,) et si on mesure par un compas a pignon, la distance depuis le centre de la roue jusqu'a la ligne W. on la trouvera juste d'une espace et deux pointes.
La roue de la Figure 10, est rochetée par cette meme proportion.

Machine à Fendre les Roues.



Goussier del.

P.P. Choffard fecit.

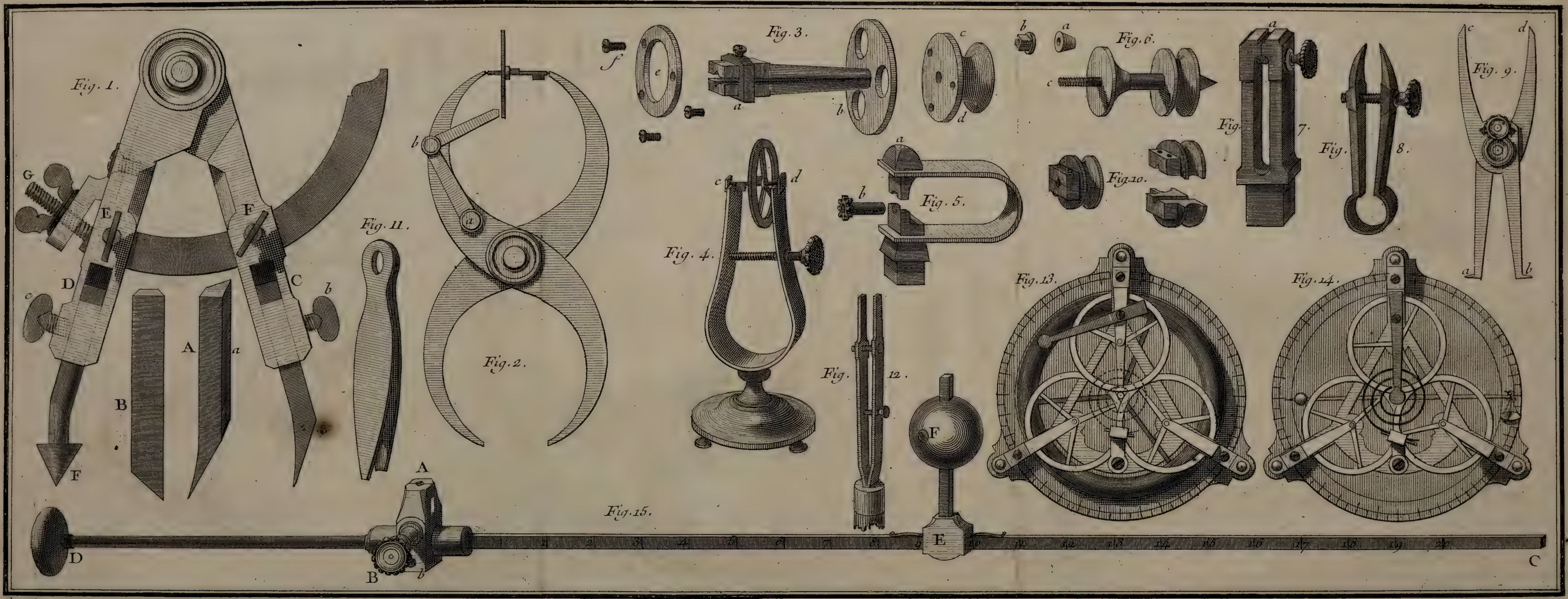


Goussier del.

W. Choffard fecit

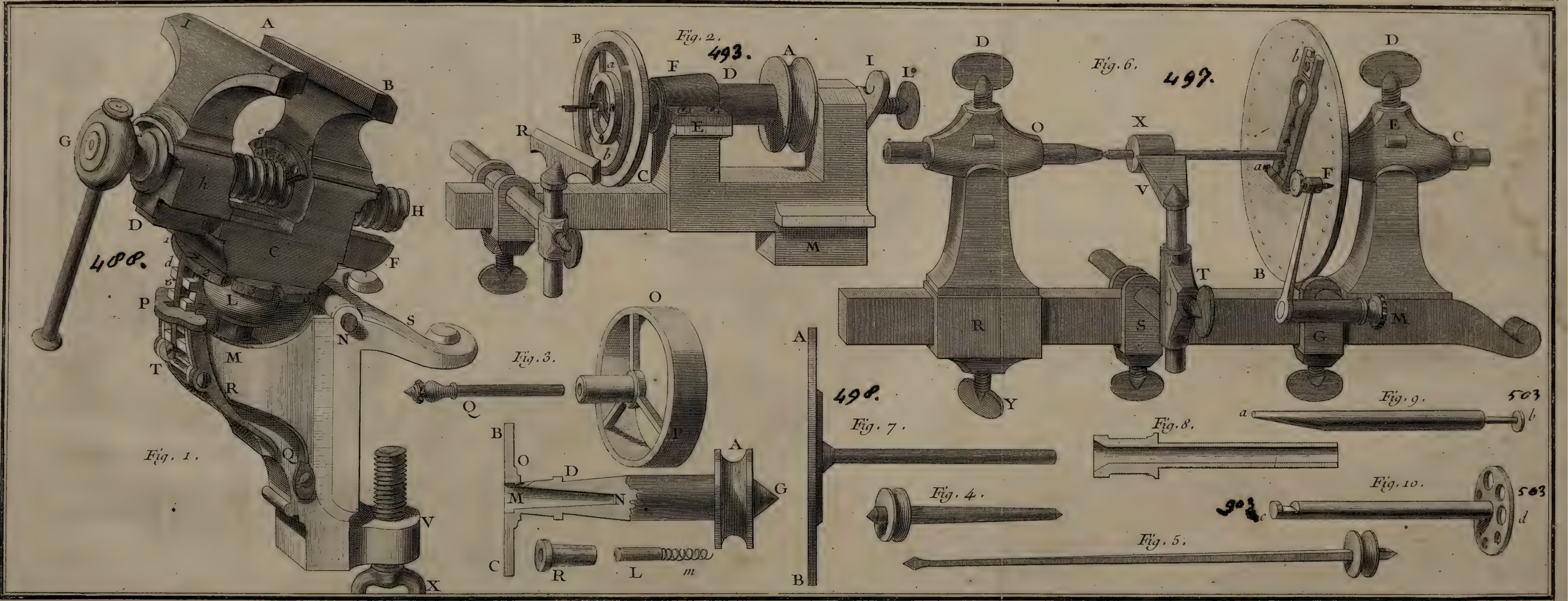
Outils d'Horlogerie

Planche XVIII



Goussier del.

P.P. Choffard Sculp.

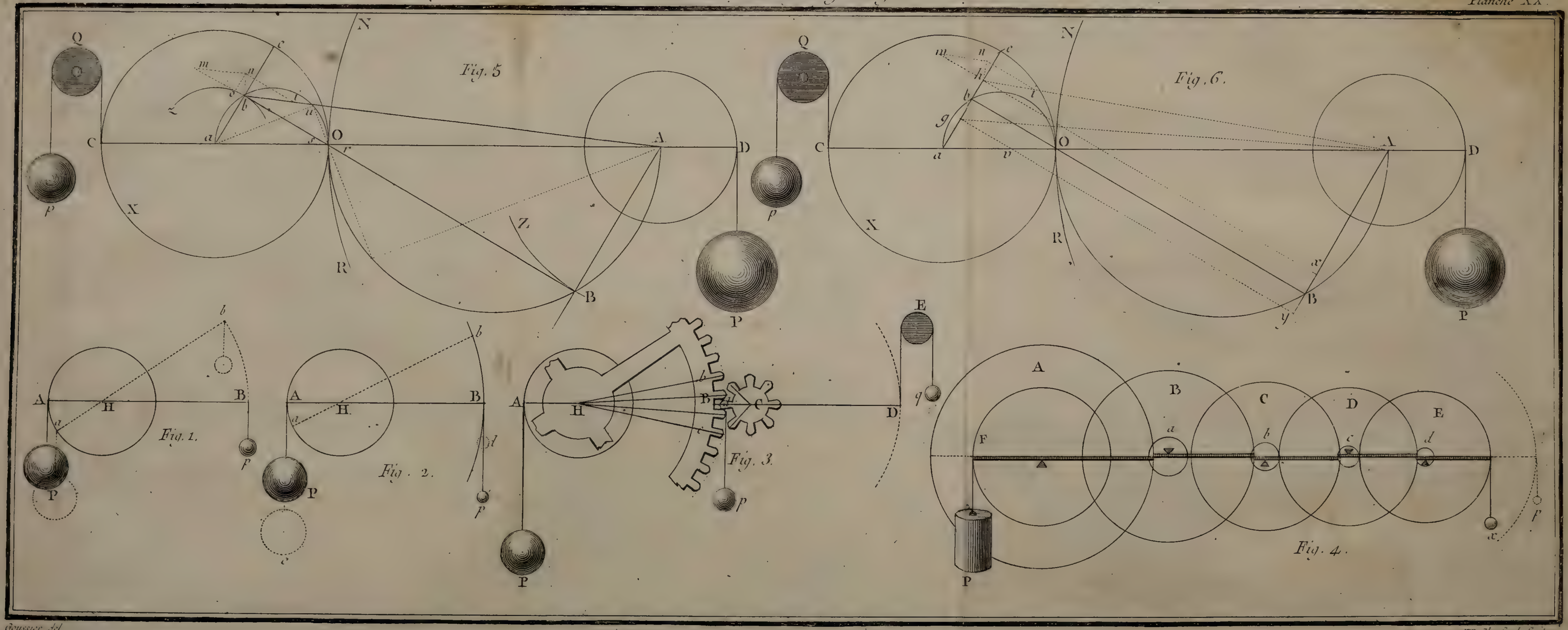


Goussier del.

P. Choffard Sculp.

Démonstration de l'Engrenage

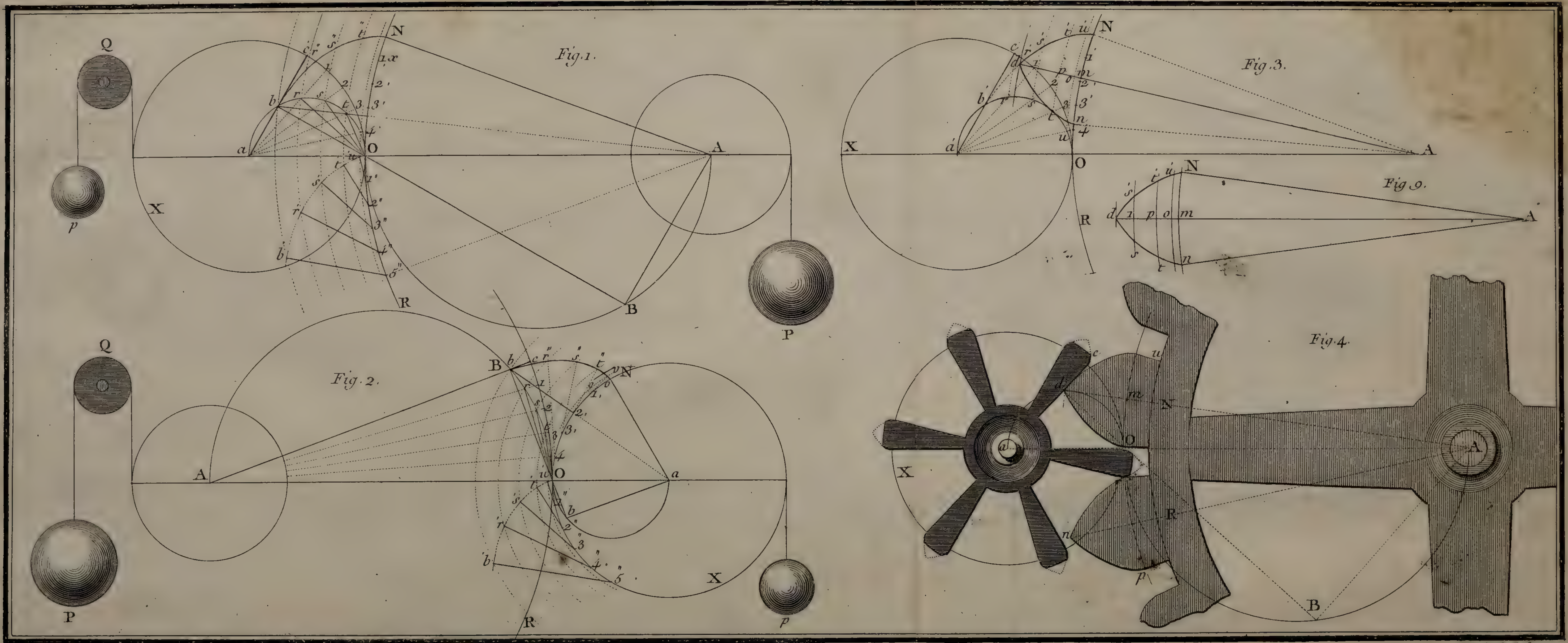
Planche XX.



Goussier del. | P.P. Choffard, Sculp.

Démonstration de l'Engrenage

Planche XXI.

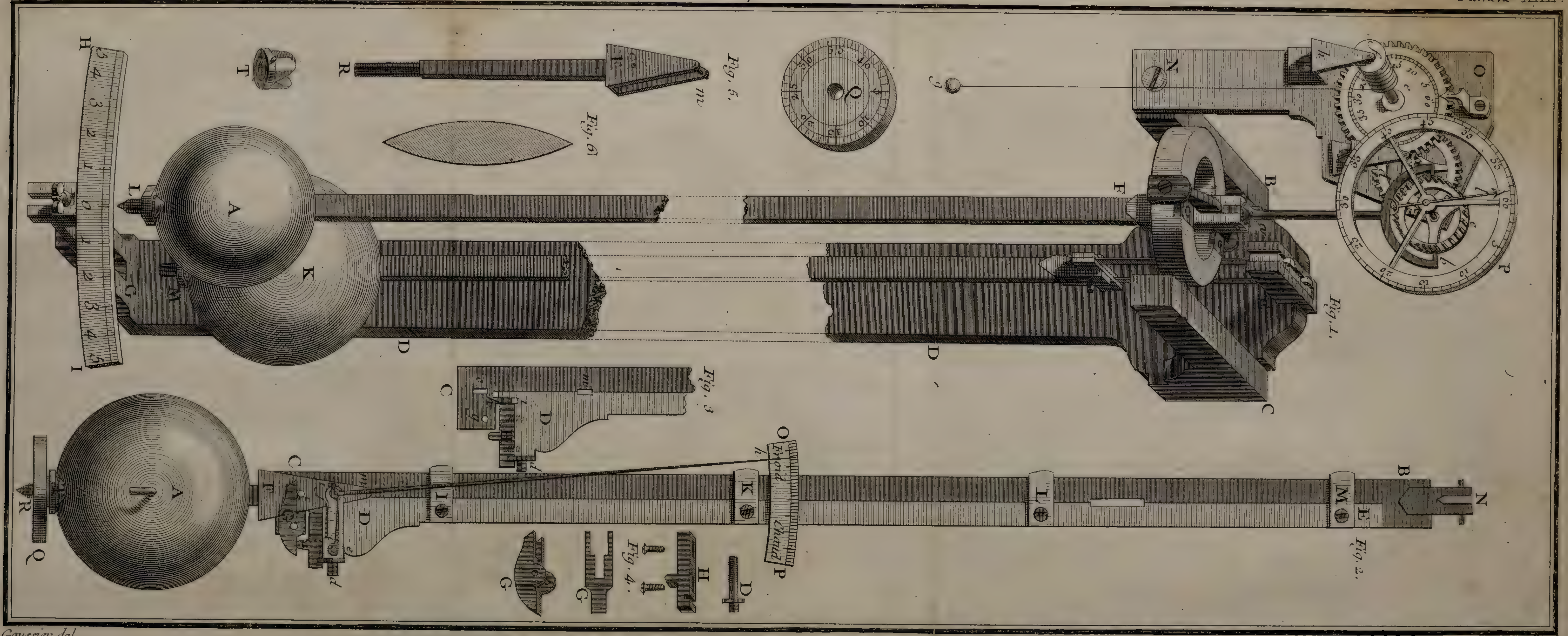


Goussier del.

P.P. Choffard fec.

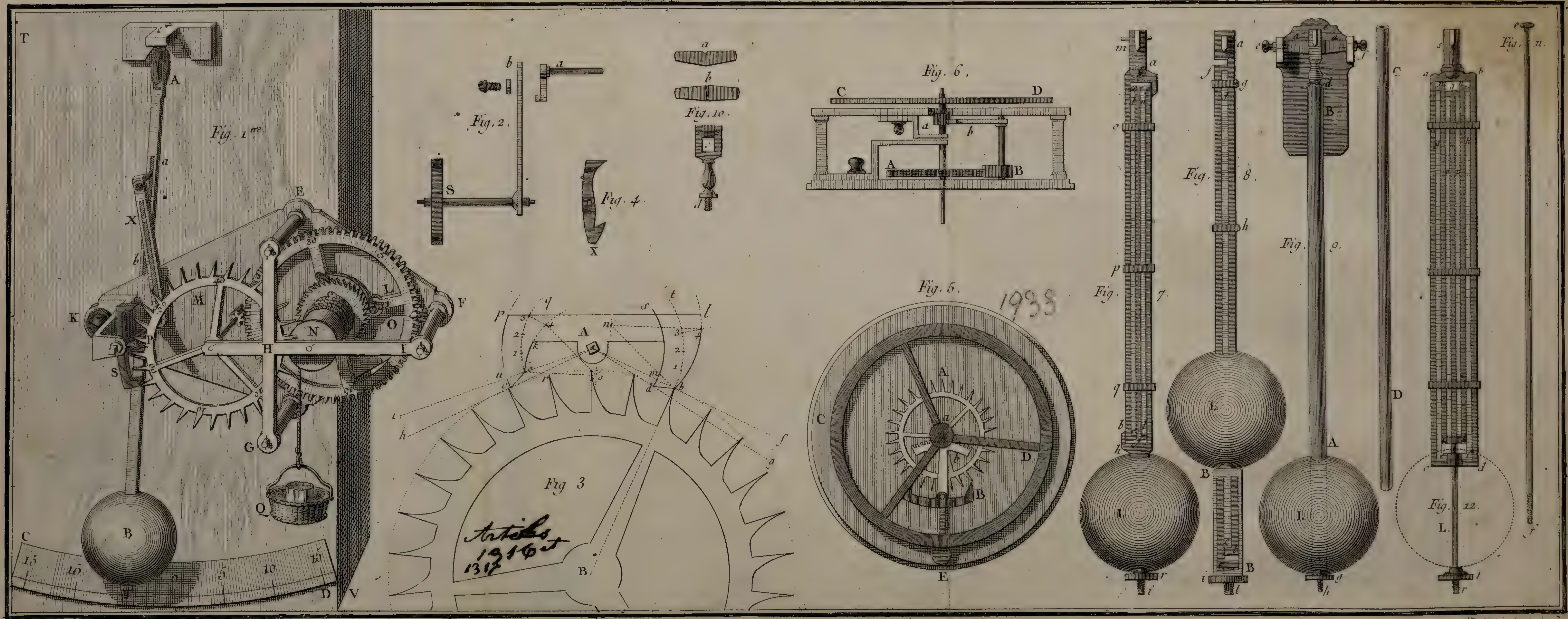
Pendule d'experience.

Planche XXII.

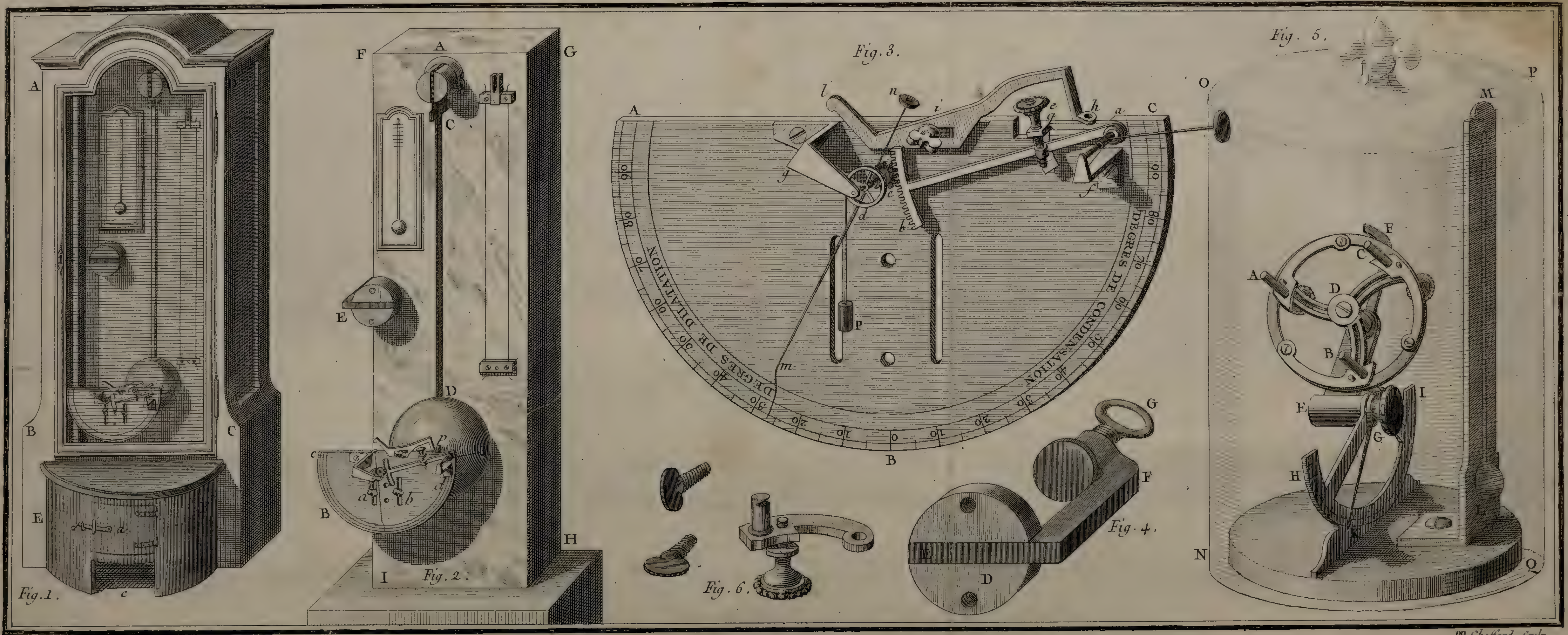


Goussier. del

J.P. Choffard Sculp.



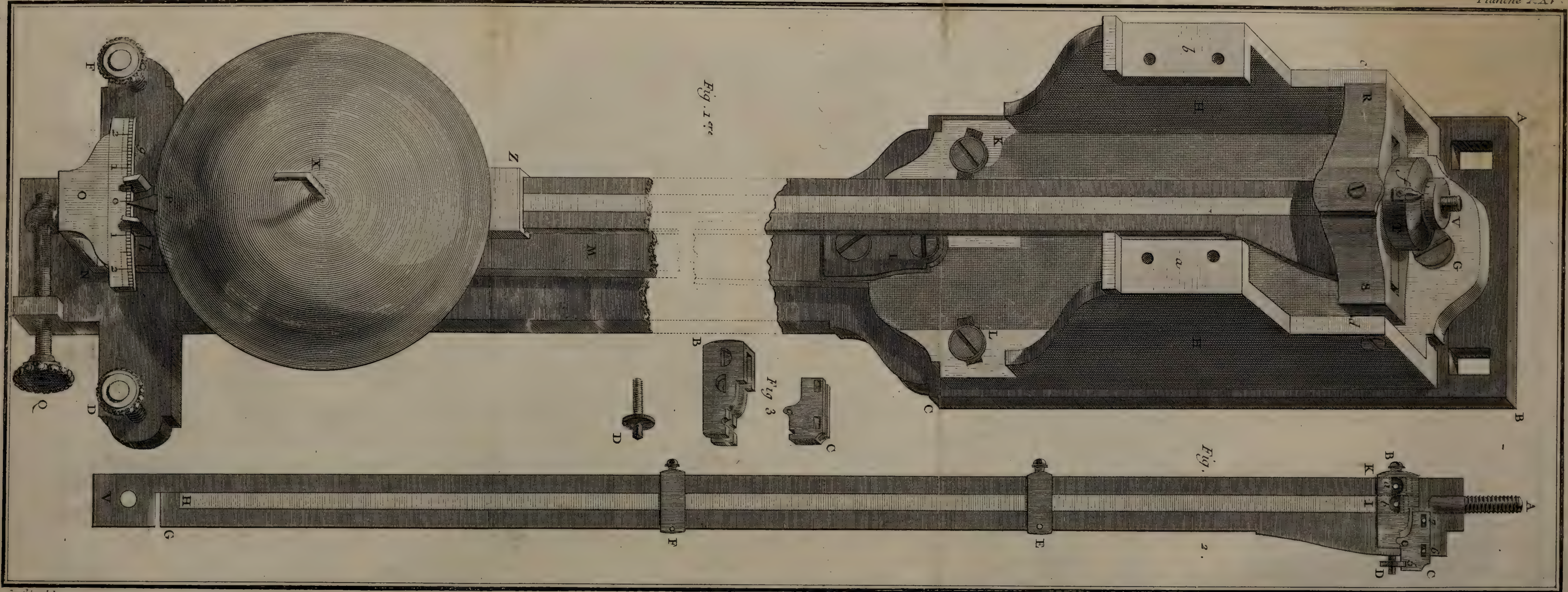
Goussier del. W. Clayard Sculp.



Goussier del. P.P. Choffard Sculp.

Suspension du Pendule Astronomique

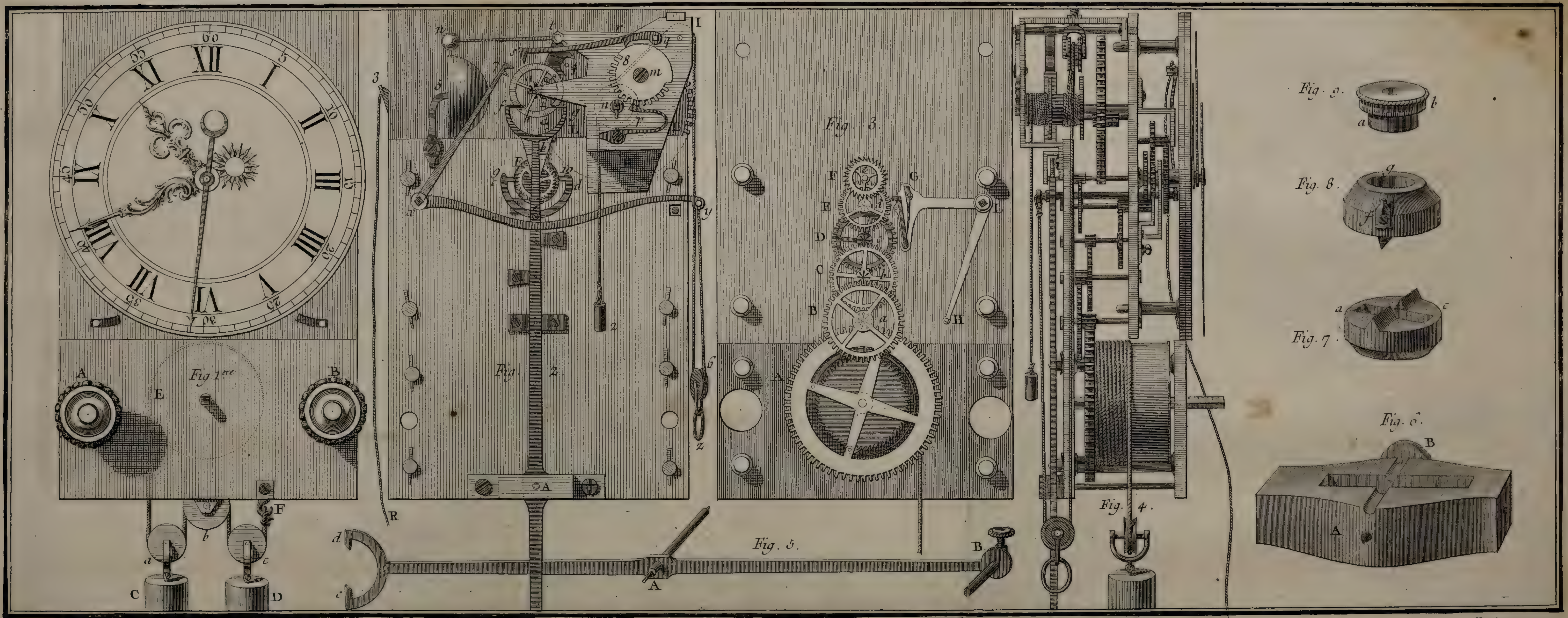
Planche XXV.



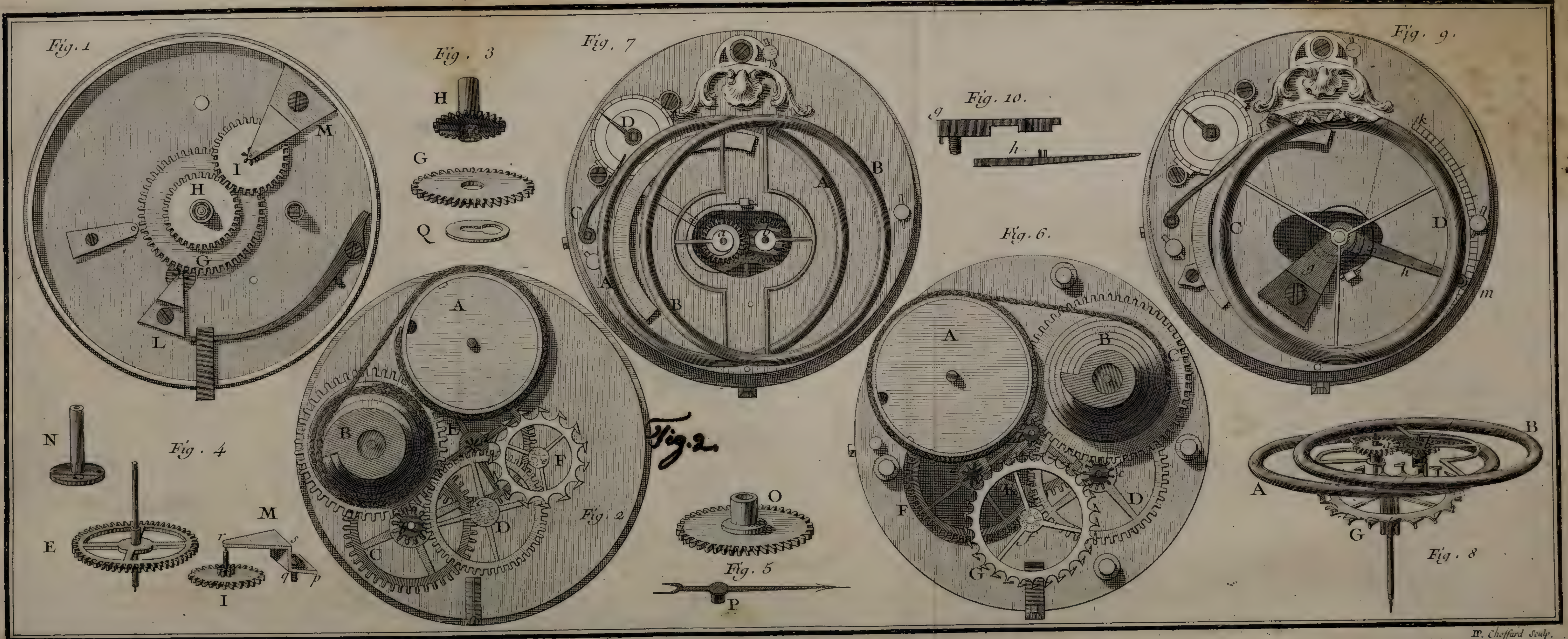
Goussier del.

Choffard Sculp.

Horloge Astronomique. Planche XXVI.



Goussier del. P. Choffard Sculp.

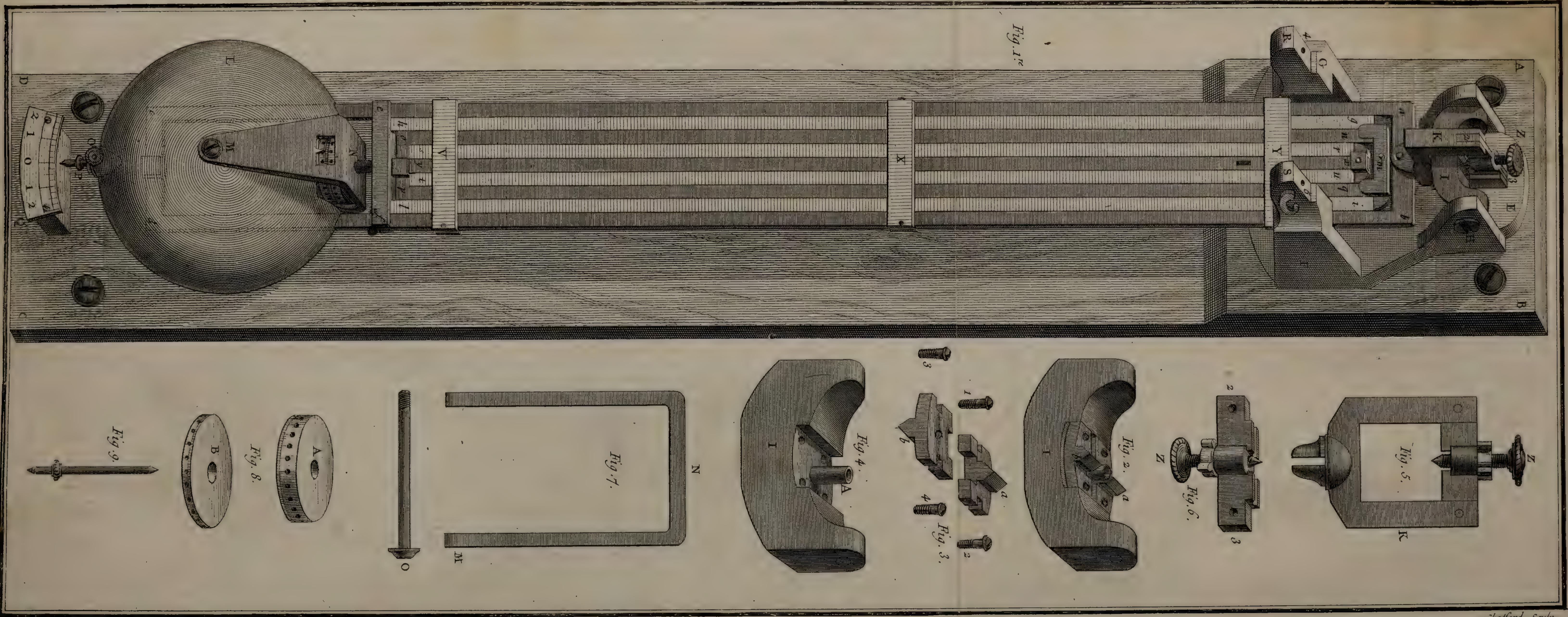


Goussier d.

Choffard Sculp.

Pendule et Suspension de l'Horloge Astronomique

Planche XXVIII

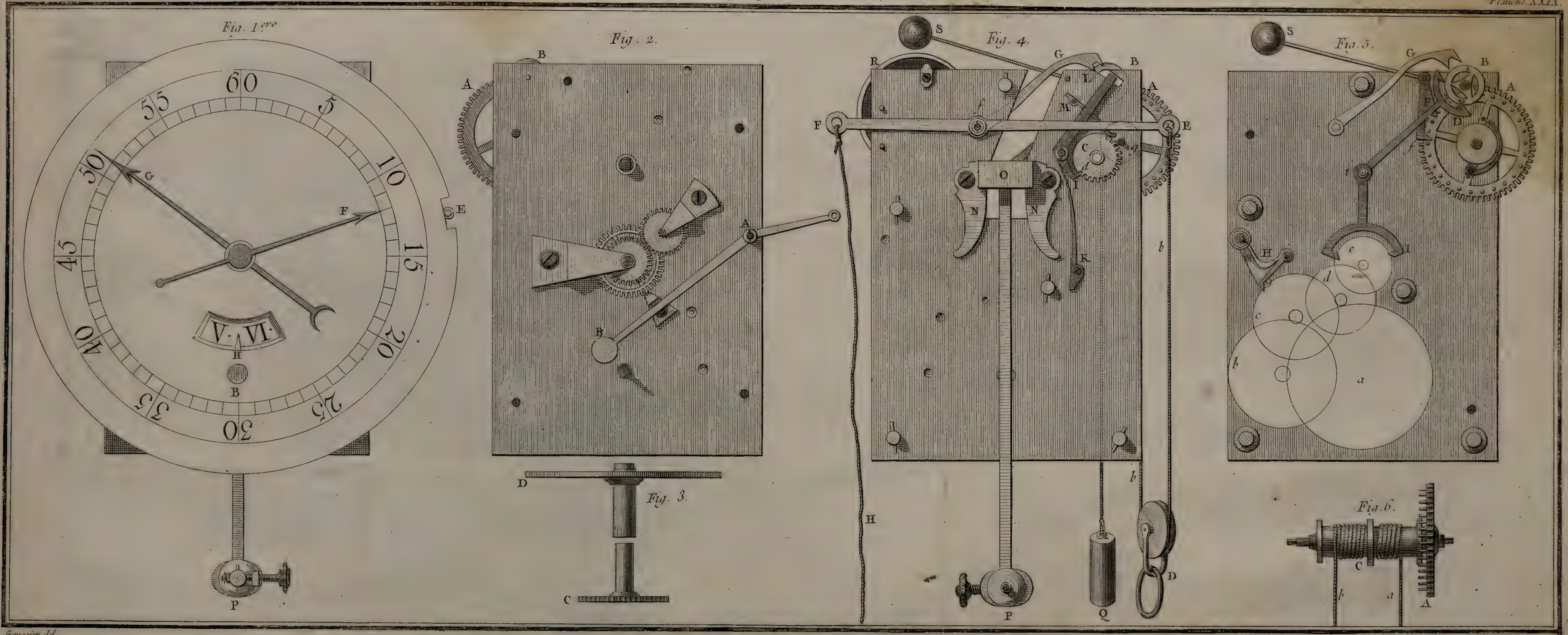


Goussier del.

Choffard Sculp.

Mouvement de l'Horloge Astronomique.

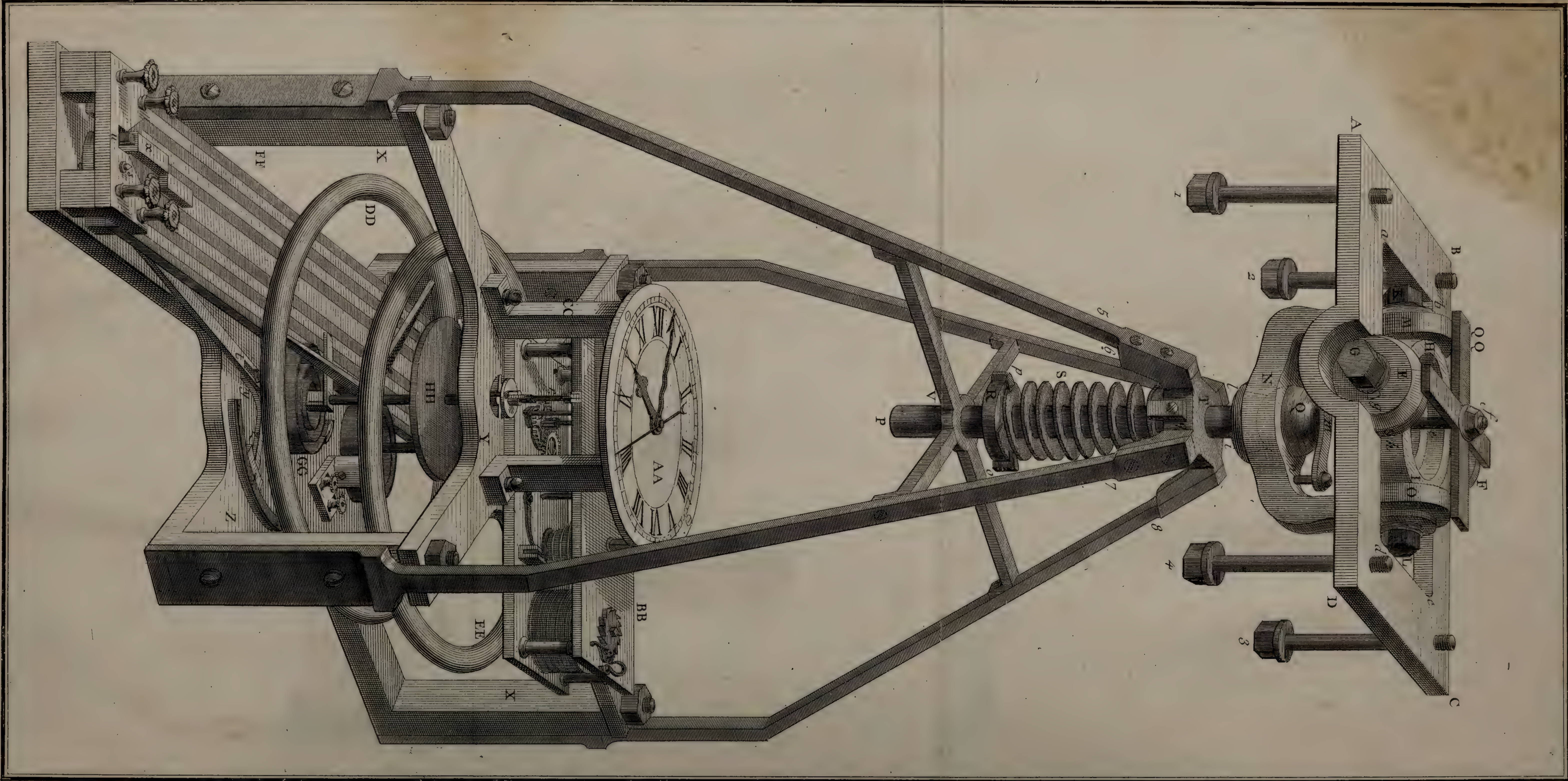
Planche XXIX.



Goussier del.

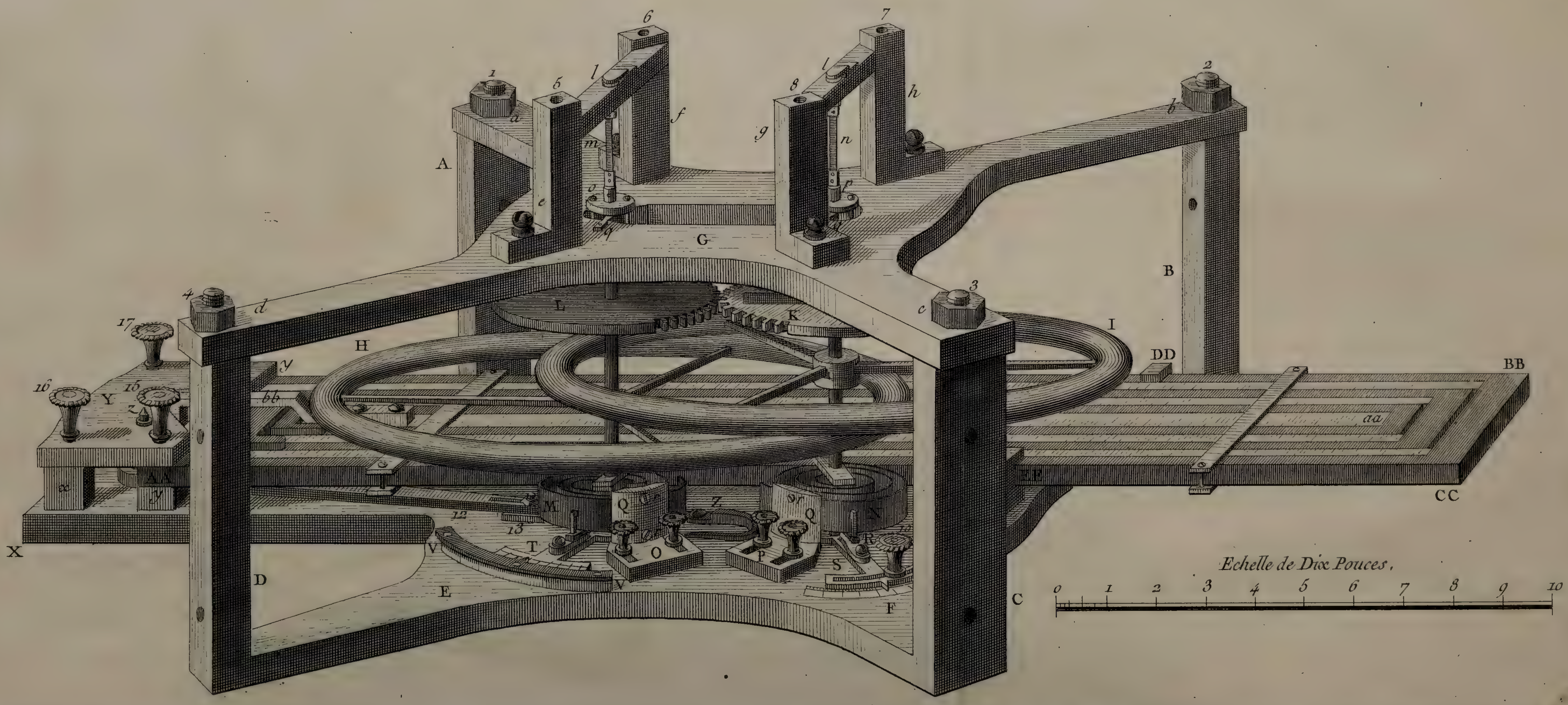
P. Choffard sculp.

Vuë Perspective de l'Horloge Marine 2. Planche XXX.



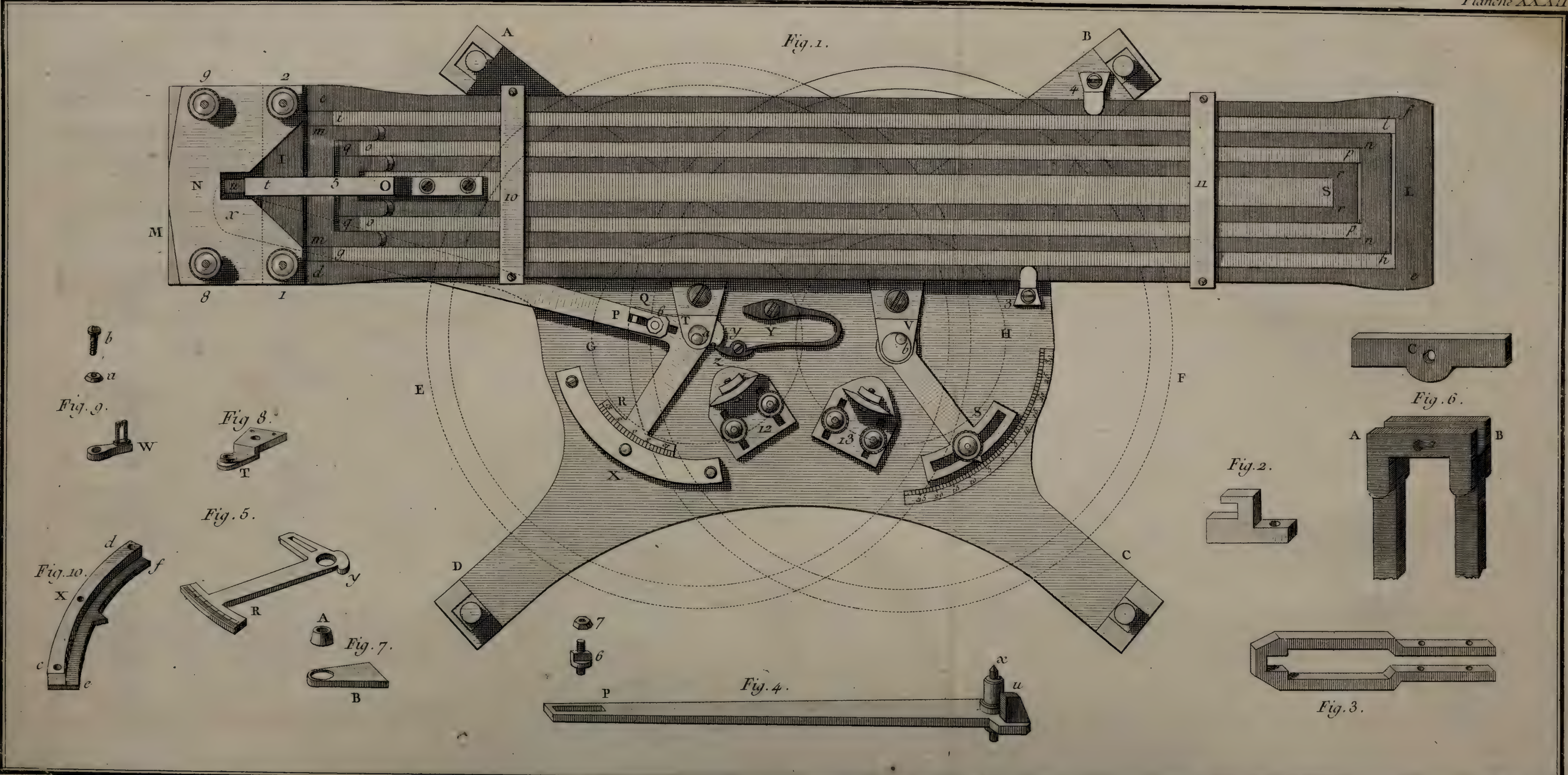
Goussier del. PP Choffard Sculp.

Vüe Perspective du Régulateur de l'Horloge Marine. Planche XXXI.



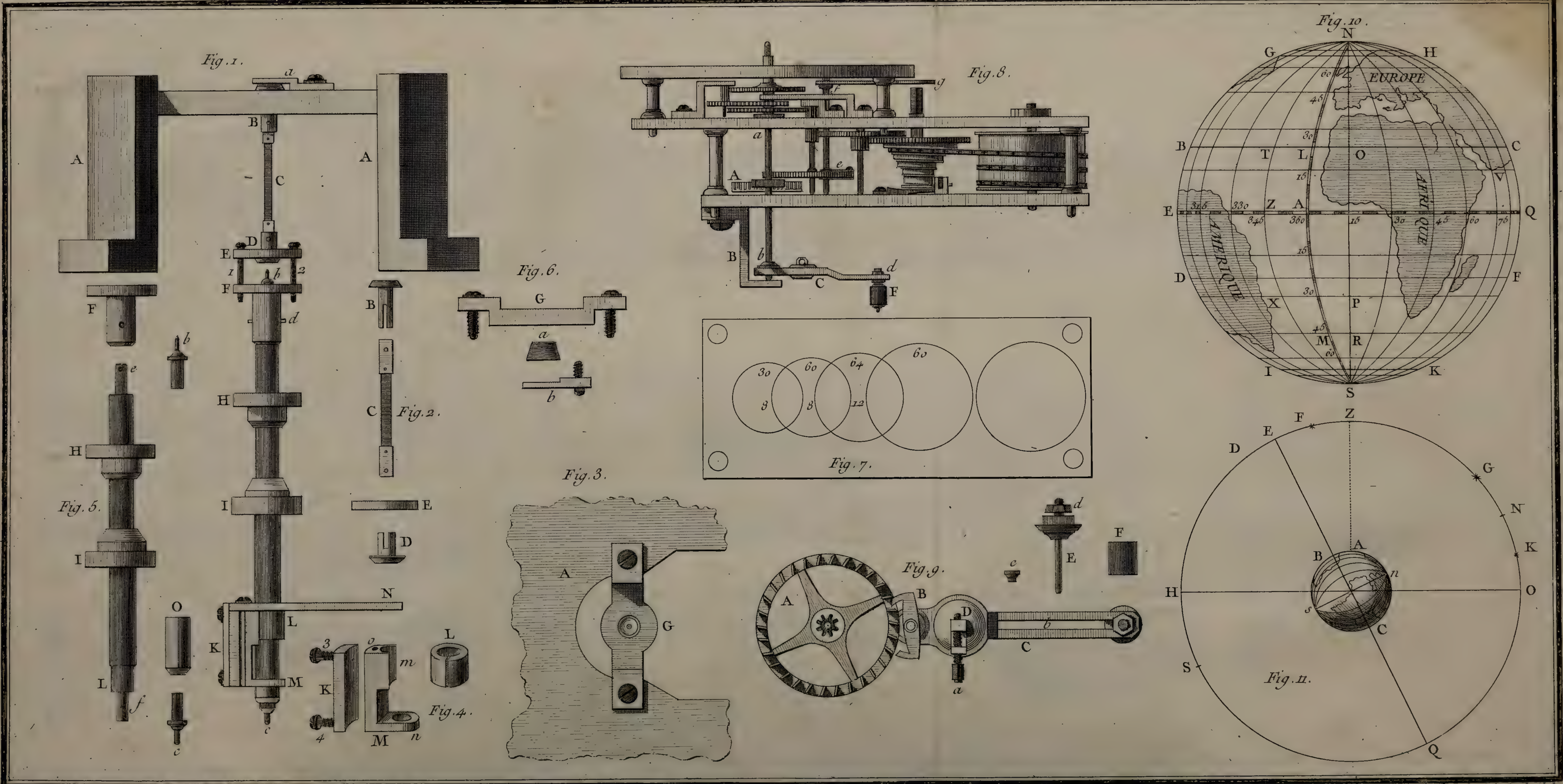
Goussier del. 1762. PP Choffard Sculp.

Plan et Developement d'une partie de l'Horloge Marine.

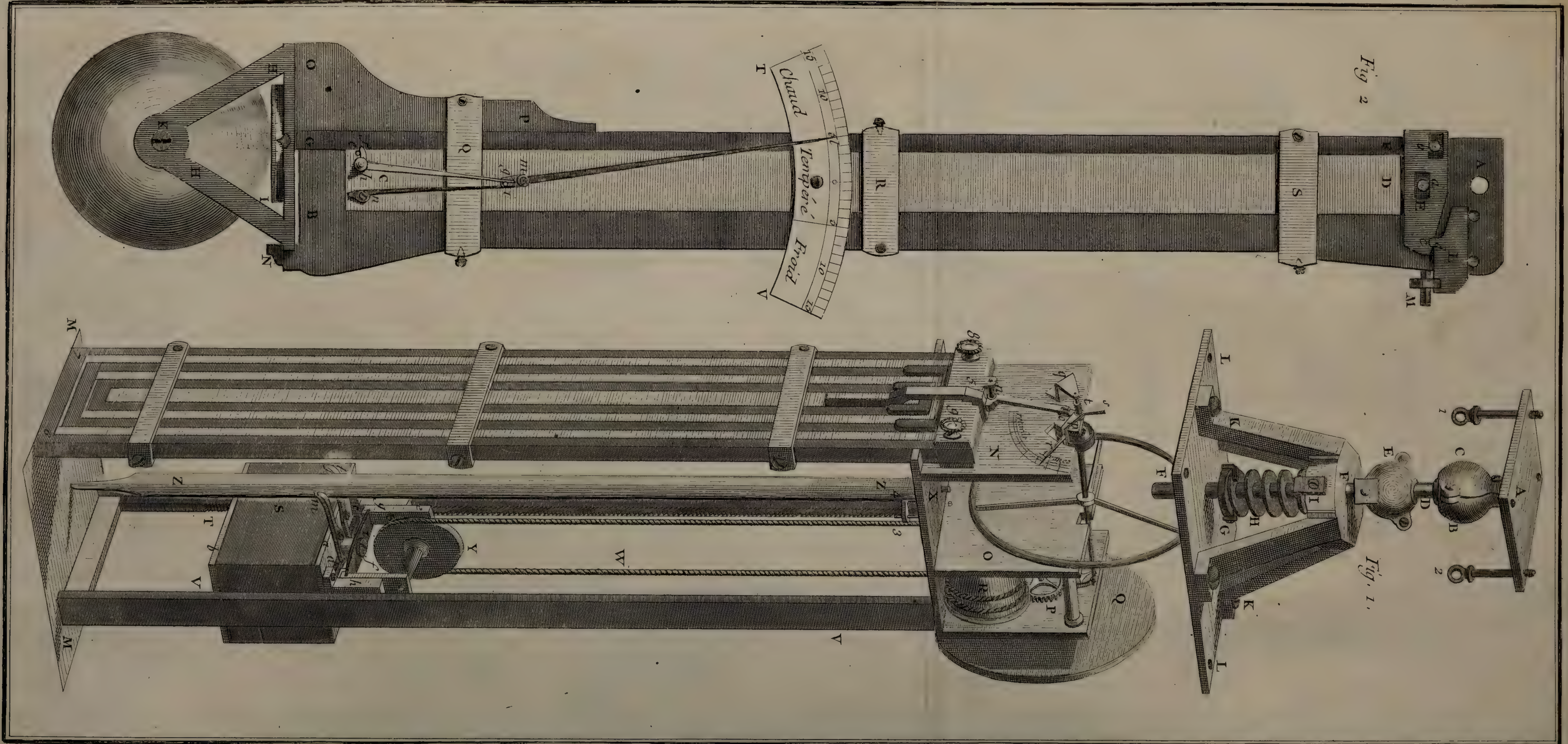


Gousier del.

Pr. Choffard Sculp.



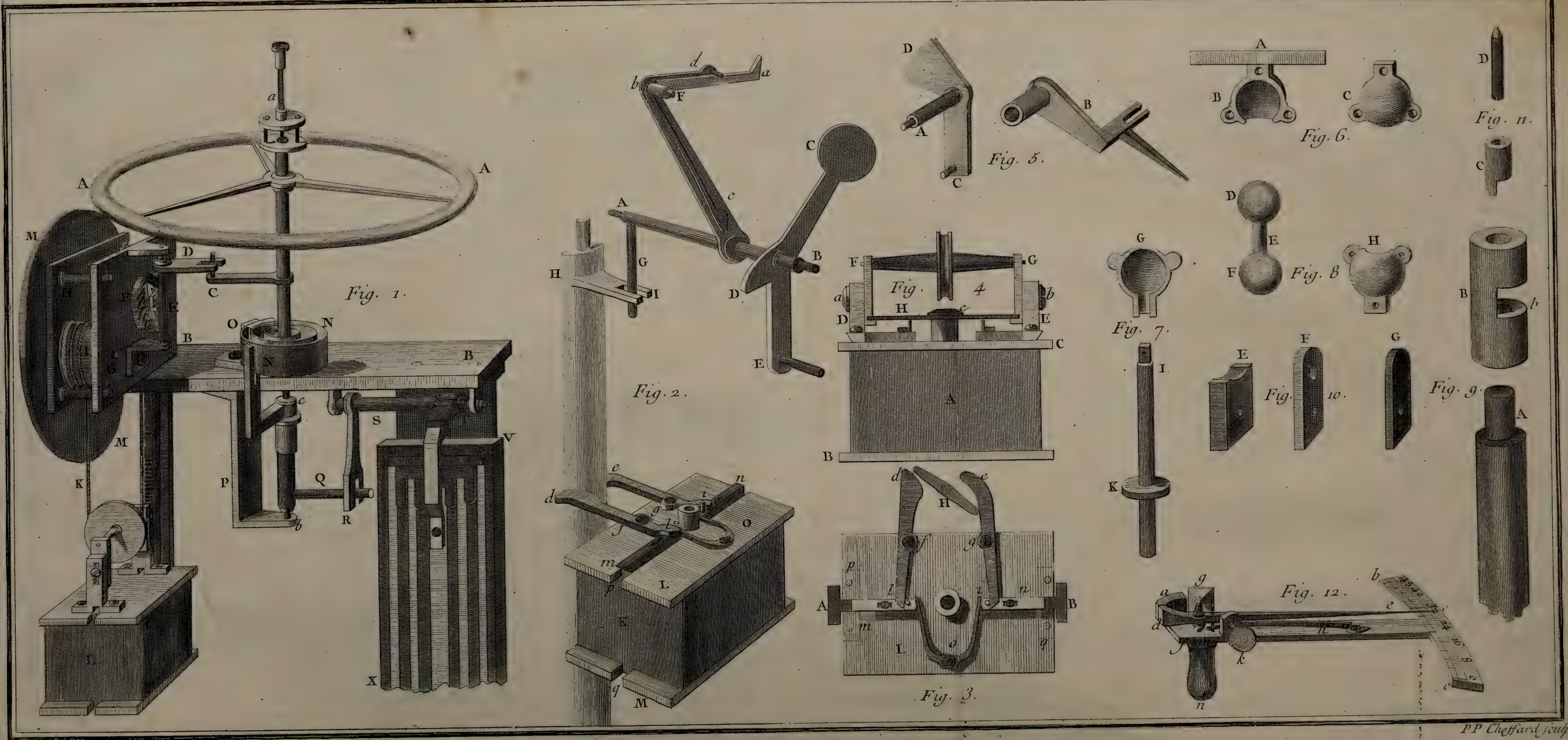
Goussier del. PP Choffard Sculp.



Goussier del.

PP Choffard. sculp.

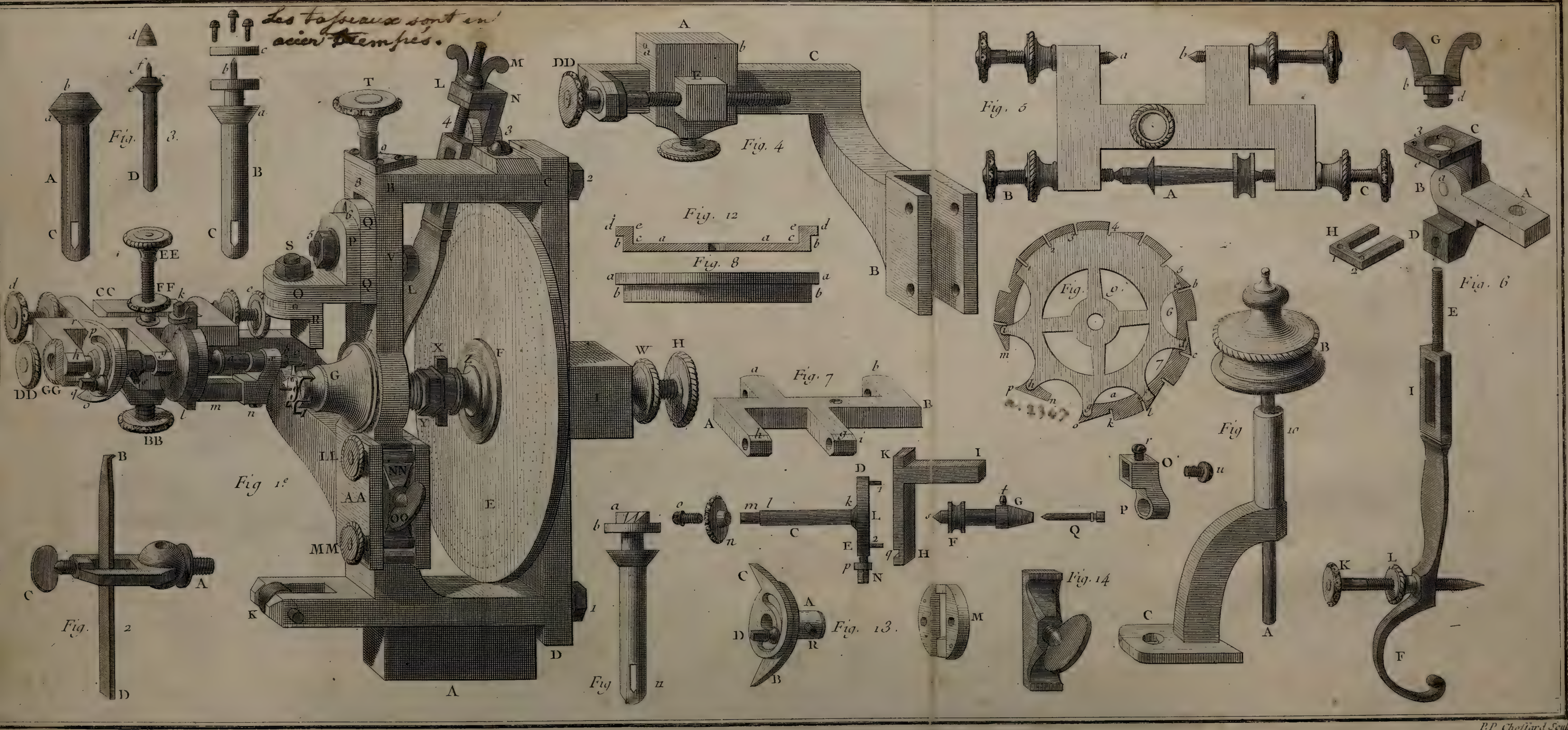
Horloge Marine.



Goussier. del.

P.P. Cheffard sculp.

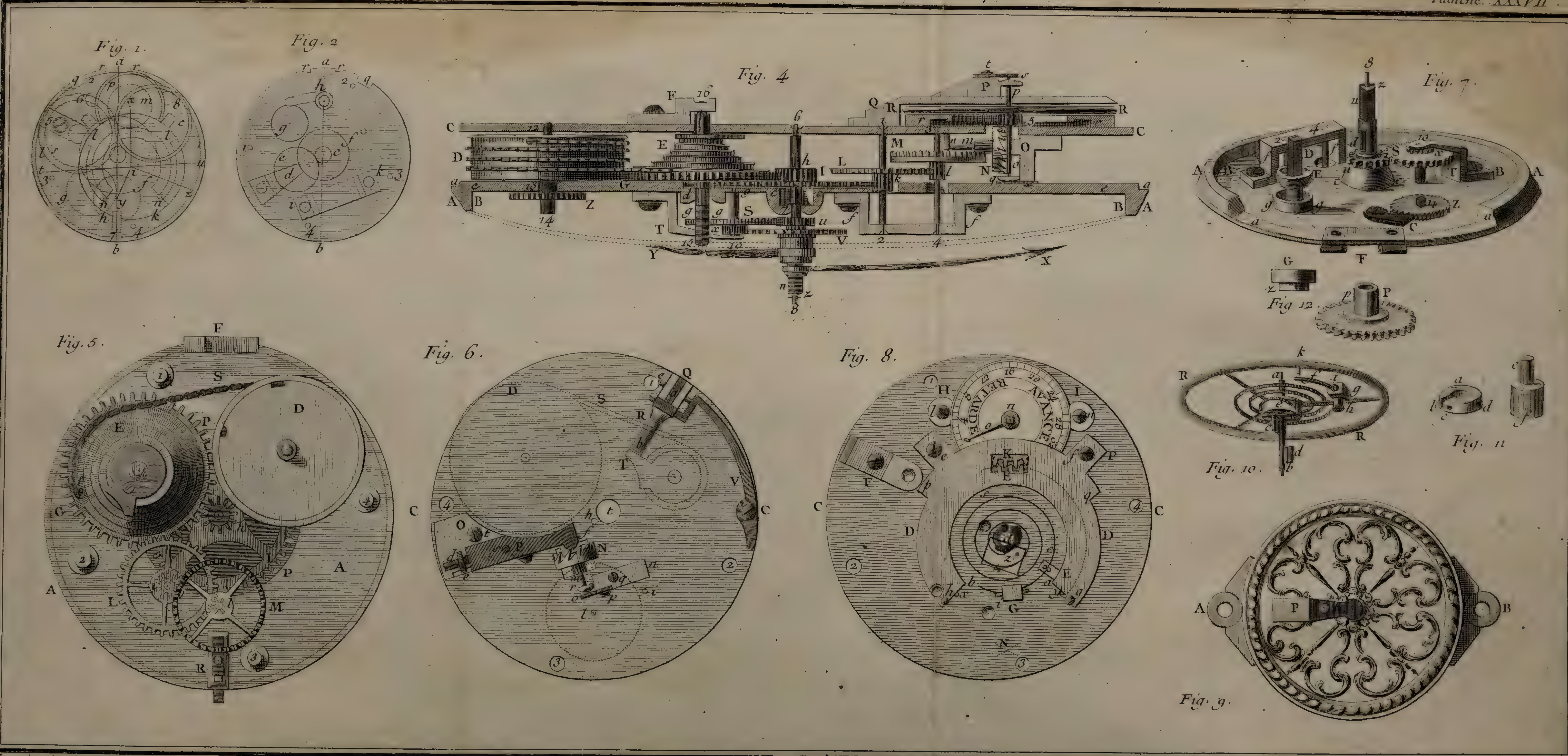
Machine à fendre les Roues de Montres, Roues de Cylindre &c.



Goussier del.

P.P. Choffard Sculp.

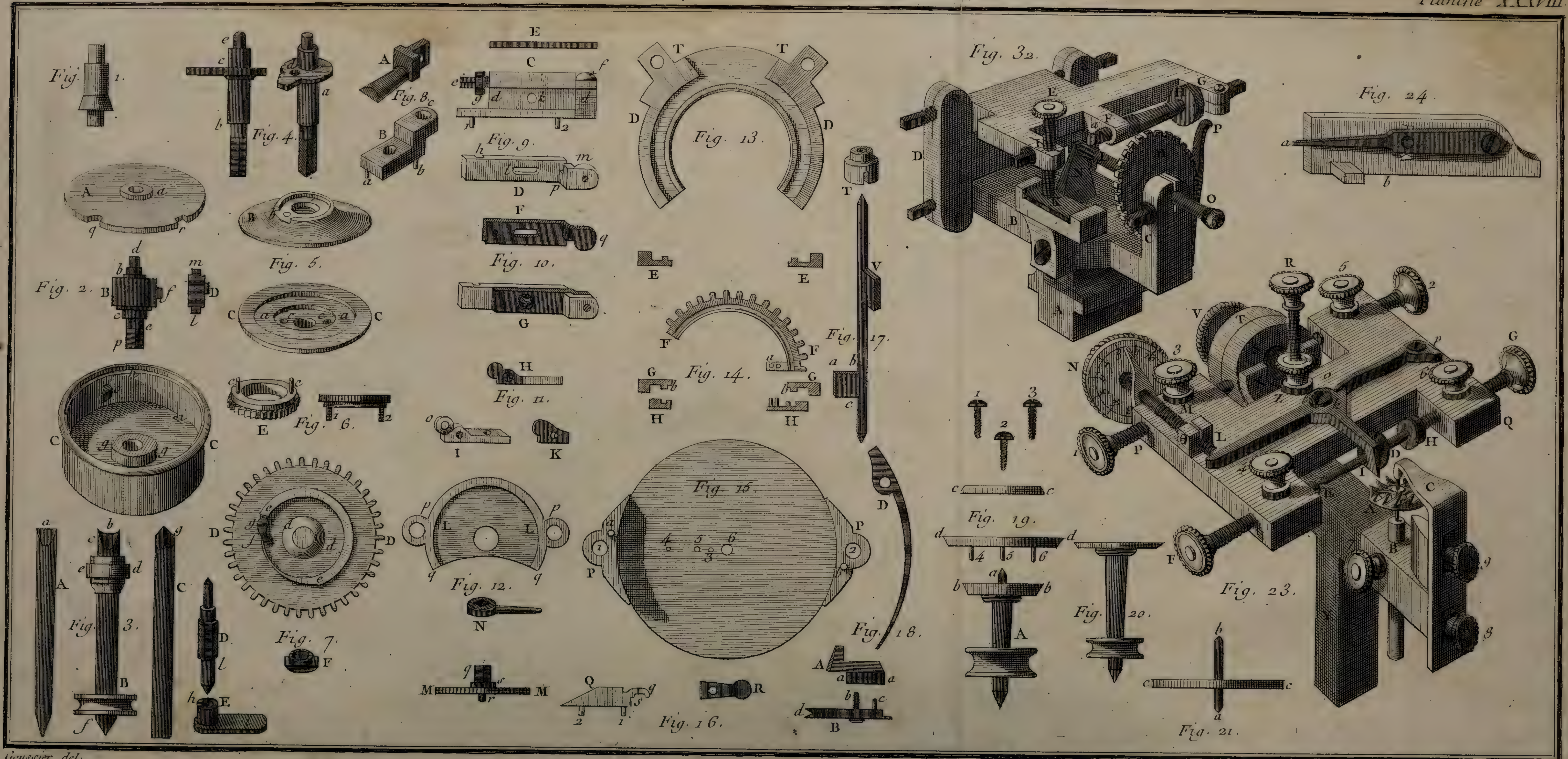
Montre à Roue de rencontre, d'une nouvelle disposition. Planche XXXVII.



Goussier del.

P.P. Choffard Sculp.

Dévelopement de la Montre et Outils. Planche XXVIII.



Goussier del. P.P. Choffard Sculp.